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## THE PROBLEM OF ASSESSING PSYCHIATRIC TREATMENT

### AS ILLUSTRATED BY A FOLLOW-UP OF EIGHTY-THREE PATIENTS SEEN AT A GENERAL HOSPITAL

By Desmond Curran, M.B. Camb., F.R.C.P. Lond., D.P.M.

PHYSICIAN FOR PSYCHOLOGICAL MEDICINE TO ST. GEORGE'S HOSPITAL, AND PSYCHIATRIST TO THE HOSPITAL FOR EPILEPSY AND PARALYSIS, MAIDA VALE

The magnitude of the issue raised by the minor forms of mental ill health has been convincingly demonstrated by the investigations of Halliday (1935) and others, and is now generally recognised. The prognosis and the possibilities in treatment for these cases therefore assumes very great importance. Several encouraging reports on the results obtained in cases treated by psychotherapy have appeared, (Ross 1936, Luff and Garrod 1935, Neustatter 1935); but these findings lay themselves open to the criticism that, however informative they may be as prognostic statements, they may be less informative on the efficacy of psychotherapeutic or other modifying influences in the absence of control cases. Now to obtain controls in psychiatry is an extremely difficult task, for it is very hard to collect groups that can legitimately be compared. Yet it is evident that without some sort of control, it is difficult to know what should be attributed to the various forms of treatment—physical, social, and psychotherapeutic—which have been employed; and this difficulty becomes greater when knowledge is lacking on what would have happened had these forms of treatment never been used.

The difficulties of the problem become more apparent when it is remembered that, although it is clearly only legitimate to compare groups that are comparable, yet to obtain a group for comparison that has never had any treatment at all cannot be done. The reason for this lies in the plastic nature of the material. Thus there can be no doubt that the examination necessary to "make a diagnosis"—which might be better expressed as a provisional formulation of the problem—can exert a modifying influence which may be considerable, and which always has an effect. In other words, it is not possible to determine, even grossly, the nature of a reaction without changing that reaction, at least to some extent; for, as the inevitable result of any medical examination, an impression, as well as various recommendations, have always been made.

But circumstances sometimes dictate that a series of psychiatric cases should be seen under conditions that prohibit attempts at psychotherapy of an *intensive* type. ("Intensive psychotherapy" will here be defined as implying the continuation for at least a month of probably not less than three, and certainly not less than two, interviews per week lasting the best part of an hour.) The subsequent history of patients who have received treatment that did not include *intensive* psychotherapy would have considerable interest. Some light might be thrown upon several vexed problems. What can legitimately be claimed for intensive psychotherapy? When is it called for? In what conditions may more simple methods suffice?

As a small contribution to these difficult and important problems, the results obtained by a follow-up of 83 patients who attended the psychiatric out-patient department of St. George's Hospital will be given below. For several reasons, few deductions are possible; but the findings appear suggestive and raise certain points.

#### FACILITIES FOR TREATMENT

It is perhaps permissible to state that facilities for psychiatric work at St. George's Hospital have now improved; but during a period 1933–34, when the patients to be considered here were examined, the conditions were as described below.

While an assistant medical officer at the Maudsley Hospital, I was appointed as psychiatric clinical assistant to Dr. Anthony Feiling in the neurological department of St. George's, and saw all the psychiatric cases that were referred. On an average, three or four new patients, as well as the old ones, had to be seen at each of the sessions, which were held once a week. At first there were no assistants; but later Dr. Eliot Slater, of the Maudsley Hospital, kindly gave valuable help and saw many of the old patients who came again. There was no psychiatric social worker; but the services of the excellent almoners' department were freely used for arranging treatment in convalescent homes and such other social measures as were possible in the limited time at their disposal. The only room available was a repellent chamber otherwise employed for dental extractions, and the dental chair was a very prominent fixture.

It is obvious that there were no opportunities for attempts at intensive psychotherapy under such special conditions; and it can be safely assumed that whatever else these patients got—and it may be hoped they got something—they did not get that.

#### SELECTION OF PATIENTS

The only criterion for selection was that the patients should have been thought to present psychiatric problems by one of the out-patient physicians or surgeons, who referred them direct. They were, in fact, referred from every department, and had all received a physical examination. The patients, with few exceptions, had not been attending the hospital for a long period—i.e., they were not drawn from that faithful band of hospital devotees known as the "10 o'clocks" (these, incidentally, would themselves provide an interesting field for psychiatric study). Nevertheless, as will be seen, many had complained of symptoms for a considerable time.

It seems probable that the patients were a representative enough sample of the type of psychiatric case that is met with in the out-patient department of a general teaching hospital.

#### THE FOLLOW-UP

The following questionnaire, together with a letter, was sent out to a series of patients who had been examined consecutively: since attending St. George's—

1. Have you regained your former health?
2. Do you still suffer from symptoms which trouble you? If so, what symptoms?
3. Have you been able to go back to work, or to carry on with your work in a satisfactory manner?
4. Have you been under any other hospital (*a*) as an out-patient? (*b*) as an in-patient? If so (*a*) When? (*b*) Where? (*c*) For how long?
5. Any other points you wish to mention?

There are obvious objections to any follow-up study made by questionnaire or correspondence. These

objections hold especially for patients whose judgment is grossly impaired, as in certain psychoses. Thus, one schizophrenic answered the first question by "yes," and the second question by writing: "The birds still speak to me." But very few of the patients considered here suffered from conditions which would render such an answer possible, and it can almost certainly be safely assumed that the group as a whole would not be likely to underestimate the severity of their symptoms, or the disabilities caused thereby. Indeed, it can usually be assumed that if a patient who has suffered from one of the minor forms of mental trouble subsequently answers the first question by "yes," the second by "no," and the third by "yes," that patient can be considered greatly improved or well.

Never less than a year, and in the earlier cases up to three years, had elapsed between the last attendance and the time when the inquiry was made.

### THE RESPONSE

Of the 83 patients who sent a satisfactory answer, 49 were women and 34 men. This represents just over 40 per cent. of the total number circularised. The percentage of men and women who replied was nearly identical, and somewhat surprisingly, the percentage of replies from the earlier cases was the same as those sent by patients seen at a later date. Almost exactly the same proportion (40 per cent.) made no reply. The other inquiries were returned "untraced" (20 per cent.).

Luff and Garrod (1935), who were able to follow up 70·4 per cent. of a very different social group treated at the Tavistock Clinic, appear to believe that the vitiation of results by untraced patients is less serious than might at first be thought, basing their opinion upon the fact that the results at the end of treatment in their untraced group appeared to be the same as the results obtained at the end of treatment in those that could be traced. This argument may be justified; but it is clearly in the nature of an inference, the justification for which cannot be known in the absence of factual confirmation.

### THE RESULTS

The criteria by which other workers have assessed their results have not always been laid down very definitely, and therefore it seemed desirable to state the criteria which have been used here at some length. The cases were divided arbitrarily into three groups.

GROUP 1.—"Much improved." A patient only qualifies for this group if: (*a*) The answer to question 1 was "yes" or "99 per cent.," or "almost." (*b*) The answer to question 2 was "no" or "an occasional headache only," &c. (*c*) The answer to question 3 was "yes."

GROUP 2.—"Improved." A patient only qualified for this group if: (*a*) The answer to question 1 stated very great improvement. (*b*) The answer to question 2 revealed certain symptoms, but did not stress their severity. (*c*) (Very important.) The answer to question 3 indicated that the patient was not only working, but able to do so with satisfaction and comfort, as judged by lack of complaint.

GROUP 3.—"Not improved." All the other patients were placed in this group, even if they were able to work, or even if they stated they were better, if they stressed the severity of their symptoms, or stated they had found working difficult. Any inability to work due to symptoms, of course qualified for this group at once.

It is perhaps worth emphasising that no such category as "slightly improved" was allowed. Such patients would be included in Group 3.

The gross results are set out in Table I. From this it will be seen that of these 83 patients 51 (61 per cent.) were "much improved" or "improved" and 32 (39 per cent.) were "not improved." (The percentages are given only for convenience.) This "not improved" group includes patients who were in fact slightly improved. These estimates are based

TABLE I.—*Results of Follow-up*

| — | Total. | Group 1: Much improved. | Group 2: Improved. | Group 3: Not improved. |
|---|---|---|---|---|
| 1933 | Women .. 16 | 7 | 3 | 6 |
| | Men .. 12 | 4 | 5 | 3 |
| | Total .. 28 | 11 | 8 | 9 |
| 1934 | Women .. 33 | 11 | 10 | 12 |
| | Men .. 22 | 6 | 5 | 11 |
| | Total .. 55 | 17 | 15 | 23 |
| Total cases. | Women .. 49 | 18 | 13 | 18 |
| | Men .. 34 | 10 | 10 | 14 |
| | 83 | 28 (34%) | 23 (28%) | 32 (39%) |

Improved and much improved .. 51 (61%)
Not improved .. .. .. 32 (39%)

on the answers obtained never less than a year after the last attendance. It is interesting to note that the earlier cases, where the interval ran up to three years, appeared to do slightly better than the later ones, and they certainly did not appear to have relapsed in greater numbers. If the organic reactions and more definite psychoses are excluded, the results obtained improve considerably.

TABLE II.—*Results in Age-groups*

| Years. | Group 1: Much improved. | | Group 2: Improved. | | Group 3: Not improved. | |
|---|---|---|---|---|---|---|
| | Women. | Men. | Women. | Men. | Women. | Men. |
| 16–20 .. | 5 .. | 3 | 0 .. | 2 | 2 .. | 2 |
| 21–30 .. | 3 .. | 2 | 5 .. | 4 | 4 .. | 2 |
| 31–40 .. | 6 .. | 3 | 4 .. | 1 | 5 .. | 2 |
| 41–50 .. | 3 .. | 2 | 1 .. | 1 | 4 .. | 3 |
| Over 50 .. | 1 .. | 0 | 3 .. | 2 | 3 .. | 5 |
| Total .. | 18 .. | 10 | 13 .. | 10 | 18 .. | 14 |

*Age-groups.*—Table II gives the results in relation to various age-groups, and although the numbers are too small to permit of any conclusion, the younger patients appear to have done better, as might be expected.

TABLE III.—*Duration of Symptoms*

| Duration. | Group 1: Much improved. | | Group 2: Improved. | | Group 3: Not improved. | |
|---|---|---|---|---|---|---|
| | Women. | Men. | Women. | Men. | Women. | Men. |
| Under 3 mth. | 5 .. | 3 | — .. | — | — .. | — |
| 3–6 mth. .. | 1 .. | 2 | 2 .. | 3 | 2 .. | 1 |
| 6 mth.–1 yr. | 4 .. | 2 | 5 .. | 3 | 1 .. | 3 |
| 1–3 yr. .. | 3 .. | 2 | 1 .. | 2 | 3 .. | 3 |
| Over 3 yr. .. | 5 .. | 1 | 5 .. | 2 | 12 .. | 7 |
| Total .. | 18 .. | 10 | 13 .. | 10 | 18 .. | 14 |

*Duration of symptoms.*—Table III gives the results in relation to duration of symptoms, which with

psychiatric patients is so often such a much better prognostic guide than mere severity. The date of onset of symptoms in psychiatric cases is often extremely indefinite, and in many of these cases the duration given only relates to the approximate period when the symptoms became more prominent, as estimated by the patients themselves, and as confirmed by the friends or relations who, with rare exceptions, accompanied them. "Nervous" symptoms had often been present for much longer periods than those given here. The duration of symptoms in these cases, together with the diagnosis, probably provides the best indication of the types of cases that made up the group.

### DIAGNOSIS

Table IV gives the results in relation to the diagnostic labels. Endless discussion and differences might arise about the correct allocation of the cases under these headings, and about the wisdom shown in the choice of the headings themselves.

TABLE IV.—*Results in Relation to Diagnostic Labels*

| Diagnosis. | Group 1: Much improved. | | Group 2: Improved. | | Group 3: Not improved. | |
|---|---|---|---|---|---|---|
| | Women. | Men. | Women. | Men. | Women. | Men. |
| Organic states .. | 2 | 0 | 0 | 2 | 3 | 0 |
| Anxiety " .. | 5 | 9 | 8 | 3 | 3 | 5 |
| Hysterical " .. | 4 | 0 | 3 | 3 | 2 | 2 |
| Depressive " .. | 4 | 1 | 1 | 1 | 2 | 4 |
| States of anxiety and depression .. | 3 | 0 | 0 | 1 | 2 | 1 |
| Schizophrenic states | 0 | 0 | 0 | 0 | 5 | 2 |
| Obsessional " | 0 | 0 | 1 | 0 | 1 | 0 |
| Total .. .. | 18 | 10 | 13 | 10 | 18 | 14 |

*Organic states.*—All these cases showed a definitely organic type of mental reaction; thus, one had a transient confusional condition consequent upon a small cerebral thrombosis; another was a post-encephalitic, and so on. It is not, of course, doubted that organic factors had played a part in many of the other cases.

*Anxiety states.*—As it seemed pointless to try to subdivide too much, several less clearly differentiated neuroses were put under this heading, which is thus a somewhat mixed bag, including, for example, hypochrondriacal reactions of the menopause and other conditions that, although certainly exhibiting anxiety as a prominent symptom, were by no means typical "anxiety states."

*Hysterical states.*—Under this heading has been included not only the more definite "conversion" cases, but also those cases in whom the development of the symptoms appeared very strikingly "opportune," especially when the personality seemed to be one skilled in self-deception.

*States of anxiety and depression.*—A sharp distinction between neuroses and what are sometimes described as "mild manic depressive psychoses" has enjoyed a certain vogue in this country, but for reasons that have been given elsewhere (Curran 1937), this sharp distinction does not appear to be justified upon symptomatic, nor indeed upon any other grounds. These intermediate cases were therefore given this heading to themselves.

*Depressive states.*—Few of these patients were depressed to a certifiable extent when seen, and it will be observed that not many of them were certified later.

*Schizophrenic states.*—Two of the patients included here belonged to the paranoid end of the schizophrenic-paranoid series, and were fairly typical "paranoid states." Both were at home and one was working. Three of the schizophrenics had been certified; the other two were still able to carry on in the community, and able to do work of a kind, one at home, and the other as a domestic under a charitable mistress who coöperated well.

*Obsessional states.*—Several other patients had definite obsessional symptoms which, however, appeared less prominent than the depressive or the anxiety components, and consequently they have been classed under those heads.

### FREQUENCY OF ATTENDANCES

Only 25 patients attended upon more than three occasions after the first examination. Of these patients 10 qualified for Group 1, 5 for Group 2, and 10 for Group 3. It will be seen, therefore, that so far as this group goes there was no relationship between the frequency of attendance and the result. Similarly, in the very different investigation of Luff and Garrod (1935) from the Tavistock Clinic, when 50 per cent. of the patients were seen for more than 20 interviews lasting an hour, no relationship could be found between the frequency of the attendance and the final result. These facts might easily lend themselves to misinterpretation.

### ATTENDANCE AND TREATMENT ELSEWHERE

Comroe (1936) followed up 100 patients diagnosed as neuroses that had been admitted to a medical clinic in Pennsylvania, and found that 24 per cent. showed definite evidence of organic disease within an average period of eight months.

The number of these patients who attended other hospitals is therefore of interest, not only as checking up upon the other medical influences that were brought to bear upon them, but in order to find out whether a large proportion in fact developed similar evidence of organic disease. It would seem probable that the definite development of an organic disease would, in most instances, result in hospital attendance, and with severe cases, in hospital admission.

*Admitted to general hospitals:* 6 patients (Group 2—2 cases, Group 3—4 cases). The answers to question 4 show that, of these 83 patients, 6 had been admitted to general hospitals; three of these were discharged after a short period of residence (Group 2—1 case, Group 3—2 cases); two had been operated on for "appendicitis" (Group 3), and one for "adhesions" (Group 2).

*Attended general hospitals as out-patients:* 6 patients (Group 1—1 case, Group 3—5 cases). The Group 1 case attended the ear, nose, and throat department on one occasion.

There is therefore little evidence to suggest that a large percentage of these cases developed definite evidence of organic disease of a severe type; nor do the operative interferences, nor the medical treatment received, appear to have resulted in much relief from the "psychiatric" point of view. Whether the operations were what might be called "to be on the safe side" operations or not, cannot be said.

*Admitted to mental hospitals:* 7 cases (Group 3—6 cases, Group 1—1 case). Three schizophrenics were still under certificate; two "depressive states" (both elderly), were also still under certificate; and one "state of anxiety and depression" (an elderly woman) had died. One young depressive had made a complete recovery.

*Admitted to the Maudsley Hospital:* 4 cases (Group 1—2 cases, Group 2—1 case, Group 3—1 case). One severe obsessional was under treatment at the time of the inquiry; one quite severe puerperal depression had recovered; one in a state of anxiety and depression had taken her discharge after four days, and had subsequently recovered by the sea; and one case of anxiety state had been improved.

*Admitted to neurological hospitals:* 2 cases (Group 1—1 case, Group 2—1 case). One hysteric—a "compensation neurosis"—had recovered after the claim was settled. And an "anxiety state" had improved.

*Attended for treatment at other psychiatric out-patient departments:* 6 patients (Group 1—1 case, Group 2—1 case, Group 3—4 cases). The Group 1 case apparently attended

this other psychiatric out-patient department, in the provinces, on one occasion only. One of the patients classed as Group 3 was undergoing her second year of psycho-analysis, which was stated to be "pursuing its usual course." As the treatment had not terminated the continuance of symptoms was presumed.

It therefore seems that the good results cannot often be attributed to treatment received elsewhere; for of those patients who were admitted to, or treated at, other hospitals or clinics, 6 cases belonged to Group 1, 5 to Group 2, and 20 to Group 3. Nearly all those who received psychiatric treatment were directly referred for various reasons; and when this is taken into account, it is rather surprising how few of these patients "went the rounds." So far as could be determined, only one patient attended at more than one hospital.

## DISCUSSION

As a matter of interest, some figures obtained from several sources are given in Table V. The interest lies in the fact that these figures, obtained as they are from different investigations, upon patients treated under totally different conditions, by different workers using different methods, should only vary within such narrow limits.

TABLE V

| Authors. | No. of patients. | Where treated. | Date of inquiry. | Results: Greatly improved and improved. |
|---|---|---|---|---|
| | | | | Per cent. |
| 1. Luff and Garrod (1935). | 500 | Tavistock Clinic (out-patients). | (a) End of treatment. | 65·6 |
| | | | (b) After 3 yrs. | 55 |
| 2. Kessel and Hyman (1933). | 33 | New York Psycho-analytic Society (out-patients). | Uncertain. | 67 |
| 3. Neustatter (1935). | 50 | Maudsley Hosp. (out-patients). | End of treatment. | 62 |
| 4. Ross (1936). | 1186 | Cassel Hosp. (in-patients). | After 1 yr. | 70 |
| 5. Mapother (1927). | ? 600 | Maudsley Hosp. (out-patients). | End of treatment. | 64 |
| 6. Present investigation. | 83 | St. George's Hosp. (out-patients). | After 1–3 yr. | 61 |

Figures put forward in this way might lend themselves to the most erroneous deductions. It might, for example, be deduced that if the results of dissimilar methods of treatment were so similar, it did not really matter what form of treatment was used; and it might be argued that, if the results obtained without the aid of intensive psychotherapy appeared to be about as good as the results obtained when intensive psychotherapy was employed, the case for intensive psychotherapy fell to the ground. Such deductions would, of course, only be possible if it was assumed that the cases investigated and treated were in fact comparable. Now, if one thing appears certain, it is that they are not comparable; for the crucial point is that they have not only been treated, but they have been *selected*, in different ways. It would, for example, be fantastic to compare the patients who attended St. George's, with the patients treated by Neustatter; for, whereas the former group was selected in the way which has been explained, the latter was specifically chosen from the large out-patient material at the Maudsley Hospital as being specially suitable for psychotherapy of an intensive type. This implies that many of these patients were not considered to be likely to yield to simpler methods.

Indeed, Mapother (1927), when presenting his figures, maintained, and demonstrated convincingly, that they served no useful purpose except to expose the fallacy of arguing from his statistics, or from other statistics collected in similar ways from a mass of patients who had really little in common except that they suffered from minor forms of mental illness.

Now, most regrettably, it is possible to see in books and articles dealing with such conditions the belief either openly expressed, or implied, that neuroses have at least one point in common—namely, that recovery or remission cannot be anticipated unless psychotherapy of a relatively elaborate kind is employed. The implications of such a belief are obvious; not only should all neuroses be so treated, but any improvement then observed can be directly attributed to psychotherapeutic intervention. Thus, in the investigation from the Tavistock Clinic conducted by Luff and Garrod (1935), which is entitled the After-results of Psychotherapy, a word of warning is issued about making psychotherapeutic claims in the depressive states; and although the results obtained in these cases are included in the final total, it is stressed that many of these cases improve spontaneously. No such warning is issued about the neuroses.

Although the present investigation is open to criticism on many scores, and does not admit of much in the way of positive deductions, it does at least seem to demonstrate one point. Many of the neuroses seen in the psychiatric out-patient department of a general hospital—and by inference many of the neuroses seen elsewhere—can improve and even recover spontaneously—if by "spontaneously" is meant without receiving psychotherapy of an elaborate sort. But to use the word "spontaneously" in such a special sense is most misleading. Even if certain cases do improve for reasons that, so far as can be seen, appear to be independent of environmental factors, other patients certainly do respond to such influences, and intensive psychotherapy is not the only possible stimulus of a beneficent kind. Indeed, it would be somewhat pessimistic not to suppose that at least certain of these cases reacted favourably to the experiences they received at St. George's; though unquestionably a favourable reaction often took place owing to circumstances over which little or no influence could be claimed. Witness a hysterical girl of 25 who had never been able to keep a job since leaving school, because of bad temper, headaches, and fatigue; she was also a complete pest at home. Yet this girl obtained a position which suited her, and at the time of the inquiry had worked steadily for well over a year, a "different person" as her mother wrote. To have obtained such a position for her would have been a success for psychiatric treatment; but the claim cannot be made.

The alternatives in psychiatric treatment are not intensive psychotherapy or "simple reassurance and medicine," which is an inadequate formulation of the other modifying influences that can be brought to bear, though space forbids of a fuller discussion of what can be done* or of what was attempted. That many "neuroses," even those of long standing,

* For a full discussion, Oskar Diethelm's recent book, Treatment in Psychiatry (New York, 1936), can be recommended.

can improve without any elaborate psychotherapy, and that, quite often, much can be done of quite a "simple" kind to help, seems sometimes to need emphasis. This is one of the encouraging points in psychiatry, and makes excellent psychiatric treatment possible for the general practitioner, and not the prerogative of a physician specially trained

This fact should certainly be taken into consideration when making claims for intensive psychotherapy. But of course it does not imply that no claims for intensive psychotherapy can be made. Those who are sceptical would be well advised to read Ross's Prognosis in the Neuroses (1936) and could not do so without being convinced that many of the patients who had the good fortune to be admitted to the Cassel Hospital under his care owed their subsequent health and happiness to the psychotherapy which they there received.

Yet to prove the immense and even specific value of intensive psychotherapy for certain selected neuroses does not demonstrate the necessity for its exhibition in all. Certain neuroses are incurable; certain others appear to get better "by themselves"; many only need a little help; and many need much help, often—but not always—including psychotherapy of an intensive type. Not to recognise these facts may result in false claims, and in the waste of much time and patient's money.


SUMMARY

1. The results are recorded of a follow-up conducted by questionnaire upon 83 patients who attended the psychiatric out-patient department of St. George's Hospital, the inquiry being made at a time covering 1–3 years after their last attendance.

2. The interest of the inquiry lay in the fact that the rather special conditions of work prohibited attempts at treatment by "intensive psychotherapy," a suggested definition of this term being given.

3. Of these 83 patients 51 (61 per cent.) were found to be "greatly improved" or "improved" according to the criteria which were laid down.

4. The results published in investigations conducted upon patients who had been treated by intensive psychotherapy are seen to be very similar.

5. It is pointed out that deductions of a disparaging kind to intensive psychotherapy should not be drawn, for the patients had not only been treated, but had been *selected* in different ways, and therefore were not really comparable.

6. It is, however, also pointed out with regret that the pessimistic view seems not uncommonly to be held that neuroses have at least one point in common—namely, that they cannot be expected to improve unless "intensive psychotherapy" is employed—from which it is deduced that any subsequent improvement may be directly attributed to psychotherapeutic intervention.

7. It is claimed that, although few other deductions would be justified, the one definite deduction which can be made from this investigation is that such a pessimistic view is false.

8. It is also pointed out that the alternatives in psychiatric treatment are not "intensive psychotherapy" or "reassurance and medicine"; and that one of the most encouraging features in psychiatry is that many neuroses (which should not be sharply contrasted with psychoses) do improve when treated in quite simple ways, or as the result of circumstances over which a physician has exerted little or no control.

9. It is stressed that the above facts must be considered when making claims for intensive psychotherapy, and that there is a fallacy in supposing that improvement which cannot be attributed to intensive psychotherapy must therefore be regarded as being "spontaneous."

10. Finally it is stressed that to urge the adoption of a more critical attitude towards certain of the claims made for intensive psychotherapy does not imply a nihilistic attitude; and that intensive psychotherapy seems unquestionably of immense and even specific value for carefully selected neuroses.


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## NUTRITION SURVEYS:

# VITAMIN-A DEFICIENCY AMONG SCHOOL-CHILDREN

## IN LONDON AND CAMBRIDGE*


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ONE of the most urgent objectives in nutritional work at the present time should be to collect reliable quantitative data concerning the incidence of conditions of suboptimal nutrition in different parts of the country. Opinions—or perhaps it would sometimes be as accurate to say *impressions*—differ widely as to whether undernutrition is widespread or otherwise. No doubt one of the main obstacles has been to define accurately what constitutes optimum nutrition: for it is obvious that standards and criteria have first to be fixed before the extent of the deviations from them can be measured. As it is, attempts in the past to estimate the prevalence of malnutrition have been sought along a variety of different channels. Thus, in one direction, estimates have been made of the *amount of money* spent on food by different groups of the population. The conclusion has been reached that "a diet completely adequate for health, according to modern standards, is reached ... [only] ... at an income level above that of 50 per cent. of the population" (Orr 1936); "the main factor in the production of subnormal nutrition in children being poverty" (MacNalty 1935; see also League of Nations Mixed Committee 1936, Gourlay, quoted by Menzies 1936). Along a parallel line of approach, studies have been made of the *actual food consumed* by the community, and have led to similar findings. For example, while expert opinion agrees that for children of 1–5 years of age the consumption of one pint of milk per child per day is desirable, the average amount actually taken is found to be far short of this. Pointing again in the same direction, a number of carefully controlled dietary experiments have proved that marked benefit to health has resulted when the diet has been augmented in such a way as to make it conform more

* Communicated to the Biochemical Society, Cambridge meeting, Oct. 9th, 1937.

closely to the requirements of modern nutritional science (Corry Mann 1926, Orr 1928, Leighton and Clark 1929, Friend 1935, Williams 1936; see also McCarrison 1936, Orr et al. 1935). It is well known too that the standards of physique as well as the morbidity and mortality-rate among the poorly fed groups of the population compare unfavourably with those of the better fed groups, and there are good grounds for supposing that the actual diet itself is in fact an important causative factor in these differences.

But inquiries along such lines as the foregoing, valuable as they indisputably are, have the disadvantage that they give only indirect, or "presumptive," evidence of malnutrition, as opposed to more direct evidence based on actual examination of the individual for signs of deficiency. And while it is true that official estimates of the prevalence of malnutrition are issued in the returns of medical officers of health and of school medical officers, it has to be remembered that these estimates are in reality subject to a number of rather severe if now well-recognised limitations.

With the conditions under which such routine examinations of large numbers of school-children have ordinarily to be carried out, there is little or no opportunity for the application of the more modern and sensitive scientific tests by which individual specific deficiencies can be detected, and the examination has generally to be limited to a measurement of the height and weight of the child together with an inspection of his general "clinical appearance." The result is that these returns give little indication of the incidence of the milder degrees of deficiency ("partial deficiencies"), or of the early stages of such deficiencies. These conditions of partial or early deficiency while they may thus escape notice at the superficial clinical examination are none the less of consequence to the child's health, and may perhaps sometimes be the cause of significant damage in later years. Under these circumstances, as has been suggested elsewhere (Harris 1936), the only way of obtaining a true picture of the incidence of undernutrition throughout the country would seem to be to carry out a series of surveys upon random specimens of the population to determine the rate of incidence of given specific deficiencies. Such tests, as already indicated (loc. cit.), consist of—the "urine (saturation)" tests for vitamins $B_1$ and C, the "blood-phosphatase" test for vitamin D, hæmoglobin estimation for the presence of nutritional anæmia, and the dark adaptation test for vitamin A. In the case of vitamin C it has previously been reported that a large proportion of subjects of the voluntary hospital class who were examined were found to fall "below standard," which raised the presumption that their past diet had contained less than the "reputed optimum" of vitamin C—a conclusion which tallies with the general findings in the dietary survey of Orr (according to which the poorer half of the population receive less than their calculated standard requirement of this vitamin); several hundred normal control subjects kept in receipt of the reputed optimum daily intake of vitamin C were all duly above standard (see Harris et al. 1936, Abbasy et al. 1935, 1936, 1937). The present paper gives some interim findings for vitamin A. The work in question was carried out in the winter of 1936 and spring of 1937.

## EXPERIMENTAL

*Method.*—The technique used was based, with minor modifications (to be described below), on that described by Jeans and Zentmire (1933) involving the measurement of dark adaptation (partial night-blindness) by means of the Birch-Hirschfeld photometer. (This is Jeans and Zentmire's first method; for later modifications cf. Jeans, Blanchard, and Zentmire 1937.)

The principle of the method depends, in rough outline, on the following theoretical considerations (see, e.g., Wald 1934). Normal vision is dependent on the presence in the retina of an adequate supply of visual purple, which is believed to be a derivative of vitamin A combined with protein. When the eye is exposed for a few minutes to a source of bright light a proportion of this visual purple is destroyed by bleaching. In consequence the acuity of vision, as measured by the ability to see a dimly illuminated object in the dark, is lessened; the more so in a deficient subject. The extent to which the sight thereafter returns to normal will depend on the amount of visual purple which can be regenerated, which is governed by the available supplies of vitamin A. In vitamin-A deficiency or partial deficiency, therefore, there is some degree of "night-blindness" after exposure to bright light, and also a diminished degree of recovery in the dark. The Birch-Hirschfeld photometer provides a convenient means of determining the acuity of vision by measuring the minimum intensity of illumination which is just visible to a subject under the appropriate conditions.

Since this paper was prepared for publication Mutch and Griffith (1937), working under the supervision of Sir John Orr, have given an interesting account of a simple alternative method for determining dark adaptation, depending on the use of Edmund's hemeralopia test-type and Tscherning photometric glass. They were able to conclude that the technique could be considered satisfactory, since subjects who had a dark adaptation below a particular given limit were found to improve after treatment with vitamin A, whereas subjects above that limit showed no improvement; the test could be recommended for serial use and was sufficiently simple to be applied to an intelligent child of six. Mutch and Griffith mention that these trials are "a preliminary to a study of diet in relation to health which has been begun in Aberdeen and will be carried out at other centres in Scotland and England." Their further results will be awaited with interest and will afford a welcome opportunity of making a comparison with our own data, which are being obtained by a different apparatus and in other areas.

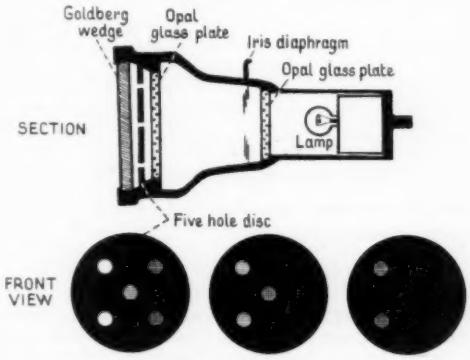
For a more complete review of the literature on vitamin-A deficiency in relation to night-blindness, a paper by Jeghers (1937) may be consulted.

### DETAILS OF TECHNIQUE AND CRITERIA USED IN PRESENT WORK

*Description of instrument.*—The photometer (see Figure) consists essentially of a metal tube with a small frosted filament lamp bulb placed within it at one end. An opal glass plate is fixed a few inches in front of the bulb to diffuse the light uniformly from it. In front of the opal glass plate an iris diaphragm is provided and then another opal glass. The opening of the diaphragm is controlled by means of a lever which moves over a scale, which, in the instrument used, is marked in divisions numbered from 1 to 20, and representing diameters of the diaphragm in millimetres. Immediately in front of the second opal glass is fitted a blackened metal disc with five circular holes punched in it, after the pattern of the five dots in a throw dice. In front of the metal disc is placed a "Goldberg wedge"—i.e., a glass slide photographically treated in such a way that its light-absorbing power increases uniformly from one end to the other. The wedge is marked with a scale of opacities ranging from one to thirteen. Thus when the "Goldberg wedge" is slid along the front of the five spots of light, the effect of the gradual increase in the opacity is that soon only three spots are left visible, then two, and finally none.

In the present tests the small electric bulb was illuminated by the current obtained from a four-volt accumulator. By means of a small circular rheostat of the kind used in radio sets, the bulb was kept supplied with a constant E.M.F. of 3·5 volts, so that the intensity of light remained unaltered. New bulbs were fitted at fairly frequent intervals—e.g., after 4 to 6 dozen tests—to rule out any possible error due to their becoming dimmer with age.

*Method of carrying out the test.*—The tests were carried out in a room that could be completely darkened. The subject to be tested was first seated in a chair provided with an upright back, his eyes being at the same level as




The photometer.

the wedge of the photometer and at a distance of 2 ft. from it and facing it. Behind the photometer, at a distance of 3½ ft. from the subject, an upright white screen about 4 by 4 ft. had been erected, and a 150 watt electric bulb in a metal reflector behind the subject served to illuminate the white screen.

For the first five minutes after entering the testing room the subject seated in the chair was directed to gaze at the brightly illuminated screen. At the end of this period the light was switched off and the subject was instructed to observe the five spots of light visible on the photometer, the brightness of which could be varied at will by the operator altering the opening of the diaphragm or the position of the "Goldberg wedge." During an actual test it was usually found convenient to keep the wedge in the same position, and the apparent brightness of the spots of light were altered by simply changing the openings of the iris diaphragm. The reading was taken at the point when three of the five spots were just barely visible to the subject—an increased illumination causing five spots to be seen and a decreased illumination only two. The small bulb in the photometer was then switched off and the subject was kept in complete darkness for 10 minutes. At the end of this interval the bulb in the photometer was switched on once more and the smallest diaphragm opening at which three spots were visible was ascertained.

*Criteria used.*—In a number of preliminary trial tests with normal healthy individuals on good diets it was found that at the first reading with the "Goldberg wedge" set at five the three spots were just visible when the diameter of the diaphragm opening was 8 to 10 (or occasionally 12) mm. After dark adaptation for 10 minutes, with the wedge again set at five, a normal person could still just distinguish the three spots when the diameter of the opening was reduced to 2 to 4 mm. In a few exceptional individuals the diameter of the diaphragm for the first reading could be reduced to as low as 6 mm. with the wedge set at five; occasionally also for the final reading when the diameter of the diaphragm opening was 2 mm. the wedge could be darkened to as far as six or seven instead of five. But for the tests described in this paper (see Table I), the "*normal range*" for the initial reading was taken as a diaphragm opening of 8 to 12 mm. and for the final reading a diaphragm opening of 2 to 4 mm., always with the wedge set at five—i.e., the normal range is described as "5 W, 8 D" to "5 W, 12 D" for the first reading, and "5 W, 2 D" to "5 W, 4 D" for the second.

It was considered advisable for the purposes of the present survey to show two grades of abnormality—namely, one for subjects who approached very near to but did not quite reach the normal range, and the other for those who were so markedly subnormal that no doubt could remain as to their condition. These have been denoted as "slightly below normal" and "definitely subnormal" respectively.

A subject has been described as "*slightly below normal*" either (1) when his initial reading was within the normal range of "5 W, 8 D" to "5 W, 12 D" but the *final* reading was increased one grade above the normal to "5 W, 6 D," or (2) alternatively (but a relatively rare occurrence) when the *final* reading was within the normal range of "5 W, 2 D" to "5 W, 4 D," but the *initial* reading was above the normal—i.e., ≧ "5 W, 14 D" (see Table I).

Subjects have been described as "definitely subnormal" when the departure from normal was greater than the foregoing—i.e., either (1) when an *initial* reading of "5 W, 14 D" or above was combined with a *final* reading of "5 W, 6 D" or above, or (2) when a *final* reading reached "5 W, 8 D" or above no matter what the initial reading (see Table I).

*Control tests on normal subjects.*—A number of persons found to be normal were re-examined repeatedly on consecutive days over a period of several weeks. Their readings were found to remain within the normal limits—in other words "learning" (familiarity with the method) did not prove to be an important factor in influencing the result (cf. Snelling 1936). For control tests on deficient subjects see below.

*Notes on procedure.*—A few observations on technical difficulties may be of use to other workers. In the first place it may be remarked that the initial reading has to be taken as quickly as possible as the eyes become adapted to darkness very rapidly at the beginning of the period in the dark. The following procedure was accordingly

TABLE I

*Standards Accepted for Present Work*

| | Reading of diaphragm with "Goldberg wedge" set at 5 3 spots just visible. | |
|---|---|---|
| | First reading (after 5 min. in light). | Second reading (after 10 min. recovery in dark). |
| Normal .. .. .. .. | 8–12* | 2–4* |
| "Slightly below normal" .. | 8–12 or ≧ 14 | 6<br>2–4 |
| "Definitely subnormal" .. | ≧14<br>or | ≧6<br>≧8 |

* The most common range for the first reading for a normal subject is 8–10; an occasional subject with exceptionally acute vision can reduce this value to 6; and sometimes for the second reading a "Goldberg wedge" of 6 or 7 can be taken with the diaphragm stopped down to 2.

adopted for taking this reading. Before the test the subject was shown the five spots of light and told that he would subsequently be asked to say how many out of the five had vanished or reappeared. After the period in the light the room was completely darkened. The diameter of the diaphragm was set at 16 mm. and the "Goldberg wedge" was for a moment moved to position 4 or 3 to enable the subject to see clearly the exact location of the five light spots. The wedge was then quickly set to 5 and the subject was questioned as to the number of spots visible to him. The lever controlling the diaphragm opening was next moved down one step and the subject was again questioned. This process was rapidly repeated step by step until an answer was received that at first three and then only two spots were visible. The lever was thereupon moved backwards one step and the reading again taken for "three spots." In some instances with individuals having low reserves of vitamin A the test had to be carried out with the diameter of the diaphragm set at 20 mm. in order to let in sufficient light. For

persons who were unable to see the three spots of light at the diaphragm setting of 20 mm. and wedge setting of five, the initial reading could be regarded as subnormal and it was only necessary to take the final reading. This condition was, however, only encountered as a rule in persons with grossly uncorrected eye defects, who were therefore judged unsuitable for the test.

For the final reading, it is possible to take more time, and the result can be very accurately checked.

After the room has been darkened completely at the end of the period of five minutes in the light, all adjustments of the instrument and the recording of the readings have to be done in darkness. With a little practice this was found to be quite easy. The recording of the time is best done with a dark-room clock, which sounds an alarm at a stated interval of time. Alternatively, the clock may be placed at the back of the subject and observed with the help of a small torch.

The test requires the willing coöperation, and a certain ability for intelligent comprehension, on the part of the subject tested. With very dull, or deaf, or mentally unbalanced persons it was not considered suitable. Also, its reliability is doubtful with children below eight years of age.

Finally, as already indicated, uncorrected eye defects such as errors of refraction, may interfere with the test, if for no other reason than that they may affect the ability to see the lighted spots clearly. It is also stated that diminished powers of dark-adaptation may result from various intra-ocular diseases, including chronic glaucoma, choroiditis, retinitis pigmentosa, detached retina, and optic neuritis. Fortunately, these conditions are not very common among children, but it is evident that it is an advantage to have reports of previous routine ophthalmological examinations before tests are undertaken, especially with adults.

## SUBJECTS EXAMINED

Our object in these preliminary trials was to compare the incidence of hypovitaminosis-A among several representative sections of the community. With this purpose in view the following groups of individuals have been tested.

(1) A group of poor-class elementary school-children attending a school treatment centre in the east of London where they had come for treatment for "minor ailments or injuries"—e.g., impetigo, sores, cuts, sprains, &c.—or had been referred by the local school medical officer because of apparent symptoms of undernutrition. Very few of the children examined had yet started special dietary treatment or received preparations containing vitamin A.

(2) A group of elementary school-children of a similar class at a neighbouring council school in a poor quarter in the east of London.

(3) A group of elementary school-children attending a school clinic at Cambridge, where they had been referred for "minor ailments" or for dental attention.

(4) A group of well-nourished and apparently normal boys at a well-known public school in the Eastern counties. (The 30 youngest boys in the school, aged 13–14, were chosen, to make possible a juster comparison with the council school boys.)

*Control of method.*—As a control on the results a number of subjects in each group were re-examined after about 14 to 28 days, with and without the administration of vitamin A, the object being to see whether those found deficient became normal under such treatment and those not treated remained unchanged (for details see below).

*Tests on adults.*—A smaller number of adults were also examined, consisting principally of the following groups: (*a*) a group of normal and apparently well-nourished undergraduates and medical workers at Cambridge; (*b*) some of the mothers of the elementary school-children attending the school clinic at Cambridge, mostly of a moderately poor economic class.

## RESULTS AND COMMENTS

The main results are summarised in Table II (for further details see Table III).

TABLE II—*Summary of Results*

*Incidence of Hypovitaminosis-A among Various Groups of Subjects*

| Description. | Age. | Number examined. | Percentage found— | | |
|---|---|---|---|---|---|
| | | | Normal. | Slightly below normal. | Definitely sub-normal. |
| Boys and girls— | | | | | |
| School treatment centre in East London .. .. .. | 8–12 | 31 | 45 | 19 | 36 |
| Council school in East London.. | 11–14 | 92 | 40 | 38 | 22 |
| Council school clinic, Cambridge | 8–13 | 70 | 44 | 25 | 31 |
| Boys, public school, east of England | 13–14 | 30 | 90 | 10 | 0 |
| Mothers, council school, Cambridge | 25–35 | 38 | 50 | 50 | 0 |
| Undergraduates, research workers, medical men, and dentists, Cambridge .. .. .. .. | 20–50 | 22 | 81 | 14 | 5 |

*Comparison of different classes of school-children.*—Perhaps the most striking result is the contrast between the incidence of vitamin-A deficiency in the public school boys and the elementary school-children examined in these tests. Thus among the 30 public school boys no single case was in the category described as "definitely subnormal," whereas among the groups of elementary school-children from 22 to 36 per cent. were "definitely subnormal" (Table II)—for example, among the 51 boys at the elementary school in the east of London no less than 28 per cent. were "definitely subnormal" (Table III). At the public school as many as 90 per cent. of the boys were "normal," and only 10 per cent. were "slightly below normal," while at the elementary school only 39 per cent. had normal "reserves" and 33 per cent. were "slightly below normal."

Or, for the sake of stricter accuracy, the comparison may be restricted to those elementary school boys of within exactly the same age limits as the public school boys examined. Among such elementary school boys, aged 13–14 (see Table III), the percentage found "normal," "slightly below normal," and "definitely below normal," respectively, were 42, 35, and 23, as compared with 90, 10, and 0 for the public school boys.

Essentially similar rates were found for the other groups of elementary school-children examined—namely, the girls at the same school, boys and girls at the nutrition centre in East London, and boys and girls at the school clinic at Cambridge (for further analysis of age and sex relations see below).

*Reliability of conclusions.*—At first sight the incidence of hypovitaminosis-A among the elementary school-children might be considered surprisingly high. But independent evidence is available to suggest that such figures as these are in fact substantially accurate. Thus Orr's (1936) analysis of the national dietary indicates that probably half of the total population, representing the three lower-income groups of the community, receive sub-optimal amounts of vitamin A. We have also ourselves made inquiries about some of the typical diets consumed by these elementary school-children and are left in no doubt that a large proportion of them contain less than the reputed optimum amounts

of vitamin A. Head teachers whom we have questioned have made it clear that the amount of money available in many families, after the charges for rent, heating, and clothes have been met, do not permit an expenditure for food at the rate necessary to secure the "optimum" or sometimes even the "minimum" diet recommended by competent authorities (Orr 1936, Association of Scientific Workers and Engineers' Study Group 1936, B.M.A. Committee on Nutrition 1933, Ministry of Health Advisory Committee on Nutrition 1932). At the public school investigated, on the other hand, the daily diet contains a good provision of milk, fruit, and vegetables, and is supervised by a medical officer; and the amount of vitamin A in it may be considered satisfactory. A further check on the accuracy of these findings is moreover to be seen in the control tests described below, in which it has been shown that children found to be deficient generally returned to normal after they had been treated for about a fortnight with vitamin A. Our findings may furthermore be compared with the results of Jeans and Zentmire (1933) who concluded that at Iowa City, U.S.A., 21 per cent. of the children examined (physically afflicted children from lower economic classes) had some degree of vitamin-A deficiency: there is probably no good reason to expect a lower incidence of vitamin-A deficiency among the groups of elementary children whom we have examined in poor districts in London than among those tested by Jeans and Zentmire in Iowa.

In a later paper Jeans and Zentmire (1936) report an incidence of vitamin-A deficiency in Iowa of from 26 to 79 per cent.—viz., 26 per cent. among children of a "rural group" (middle to low social level), 53 per cent. in a "village group" (all levels), 63 per cent. in an "urban group" (middle level), and 79 per cent. in an "urban group" (low level).

*Significance of results.*—Probably the chief interest of our present results is that it gives for the first time definite objective evidence as to the rate of incidence of vitamin-A deficiency among groups of the population in this country. It seems worth remarking also that the criterion of deficiency chosen is not entirely an arbitrary one unrelated to any actual disability in the health of the patient, for it measures a real physical defect, albeit a mild one—namely, inability to see normally in a dim light. There can be little reasonable doubt that this departure from normality, which is readily measurable, is accompanied in the vitamin-A deficient subject by other symptoms, less easy to estimate quantitatively, but none the less real—such, for example, as a diminished rate of growth, which is one of the most characteristic effects of vitamin-A deficiency in all experimental animals.

### AGE AND SEX

From an examination of Table III it will be seen that among children of a given class, as at the elementary school investigated in East London, there is a slight but appreciable tendency for vitamin-A deficiency (as judged by the dark-adaptation test) to be somewhat more prevalent among the younger than among the older children. For example, among boys of 11–12 years, the incidence of a marked degree of deficiency (returned as "definitely subnormal" in Table III) was 32 per cent. as compared with 23 per cent. for boys of 13–14 years. Similarly with girls, in the age-group of 11–12 the rate was 26 per cent. while at the age-group of 12–13 it had fallen to 5 per cent. Again, vitamin-A deficiency was less prevalent among mothers bringing their children to the school clinic at Cambridge than among the children themselves (see below).

This finding, that vitamin-A deficiency is more common among the children than the adults, is perhaps not entirely surprising. It has long been customary to regard vitamin A as needed particularly by the young animal for processes of growth.

TABLE III

*Incidence of Hypovitaminosis-A among Boys and Girls at an Elementary School in East London*

| — | Cases examined. | Number and percentage found— | | |
|---|---|---|---|---|
| | | Normal. | Slightly below normal. | Definitely subnormal. |
| Boys, 11–12 years .. | 25 | 9 (36) | 8 (32) | 8 (32) |
| " 13–14 " .. | 26 | 11 (42) | 9 (35) | 6 (23) |
| Total boys .. | 51 | 20 (39) | 17 (33) | 14 (28) |
| Girls, 11–12 years .. | 19 | 6 (32) | 8 (42) | 5 (26) |
| " 13–14 " .. | 22 | 11 (50) | 10 (45) | 1 (5) |
| Total girls .. | 41 | 17 (41) | 18 (44) | 6 (15) |
| Grand Total .. | 92 | 37 (40) | 35 (38) | 20 (22) |

In proportion to his food intake a young experimental rat is thought to need more vitamin A in his diet than does an adult rat. Since vitamin A is known to be needed for the proper formation of various types of new tissues it may be supposed that as growth slows down so does the need for vitamin A become lessened. Our results seem in keeping also with those of Ellison and Moore (1937), who found that the reserves of vitamin A in the liver, as measured post mortem, were on the average lower in children than in adults.

*Sex differences.*—Little difference is apparent between the findings as for boys and girls in the age categories of 11–12. At the age of 13–14 however vitamin-A deficiency (both "slight" and "definite"), seems appreciably less common among the girls than the boys—this has possibly to do with the fact that girls reach maturity and cease growing earlier than boys. Further tests will be necessary on a larger number of children to check this tentative finding, and also to obtain further data as to the age relations.

TABLE IV

*Incidence of Hypovitaminosis among Poor-class Mothers and Professional Men*

| — | Cases examined. | Number and percentage. | | |
|---|---|---|---|---|
| | | Normal. | Slightly below normal. | Definitely subnormal. |
| Mothers, council school, Cambridge: age 25–35 | 38 | 19 (50) | 19 (50) | 0 |
| Undergraduates, research workers, medical men, and dentists, Cambridge: age 20–50 .. .. | 22 | 18 (81) | 3 (14) | 1 (5) |

### TESTS ON ADULTS

A group of mothers (ages ranging from about 25–35) who had brought their children to the school clinic at Cambridge were examined at the same time as the latter. Of the 38 mothers seen half were normal and half "slightly below normal," none

being "definitely subnormal" (see Table IV). Normal healthy adults (undergraduates, research workers, medical men, and dentists) with an obviously better dietary history than most of these mothers showed a much higher percentage of normality—viz., of 22 examined 18 (81 per cent.) were normal (Table IV).

### CONTROL TESTS

As already mentioned, in order to check the accuracy of the method and as a further control upon the findings, a large proportion of those subjects who were found subnormal were treated with vitamin A and then re-examined after a suitable length of time to see if they then became normal. Such control tests were done at all the centres—i.e., at the elementary school in the east of London, at the school treatment centre in the east of London, among mothers and children at the Cambridge school clinic, and also among the boys at the public school. The results may be regarded as very satisfactory, as in a large proportion of cases these subjects either became normal or showed appreciable improvement. For example, of the children at the council school in the east of London (Table V) who had been found to be deficient and were given vitamin-A treatment and then retested after 2 weeks, 63 per cent. became normal, while 20 per cent. showed well-defined improvement. After treatment for 4 weeks, 75 per cent. became normal and 22 per cent. showed improvement. Children kept as negative controls and given no treatment, with few exceptions, remained unchanged (for fuller details see Table V).

TABLE V

*Re-examination of Cases found "Definitely Subnormal" or "Slightly Below Normal" at the First Test*

| — | Interval after which re-examined. | Dosage of vitamin A administered. | Cases examined. | Number and percentage. | | |
|---|---|---|---|---|---|---|
| | | | | Became normal. | Improved. | No improvement. |
| Children, council school, East London. | 2 wks. | Halibut-liver oil (B.D.H.), 15 drops daily. | 40 | 25 (63) | 8 (20) | 7 (17) |
| | 4 " | | | 30 (75) | 9 (22·5) | 1 (2·5) |
| Negative controls | 2 " | Nil. | 20 | 0 | 2 (10) | 18 (90) |

Essentially similar results were obtained with the other groups of subjects, although the numbers examined were smaller. Thus at the school treatment centre in East London, 7 children found to be deficient were given eight drops of halibut-liver oil or three teaspoons of cod-liver oil daily for two to four weeks, and 5 became normal, 1 improved, and 1 showed no improvement. At the council school clinic in Cambridge of 17 given the same treatment, 7 became normal, 6 improved, and 4 showed no improvement. At the public school the 3 boys who were initially "slightly below normal" were given six drops of halibut-liver oil for two weeks, and all became normal, as also did 2 mothers at the Cambridge council school who were given ten drops per day for two weeks. For control tests on normal subjects see above (section on "Technique").

The results in Table V are sufficiently numerous to be of statistical significance; and, together with the later results, will be subjected to a statistical analysis in the course of a further paper.

The additional tests now in progress will also provide an opportunity of ascertaining how far the incidence of hypovitaminosis-A among the elementary school-children whom we have examined in East London and Cambridge is typical of the juvenile population elsewhere.

### SUMMARY

The desirability of collecting data giving objective evidence of the incidence of specific partial deficiencies among different sections of the community is stressed.

Surveys for vitamin-A deficiency by means of the dark-adaptation test (after Jeans and Zentmire) have shown that among 200 elementary school-children examined, in the east of London or in Cambridge, from 22 to 36 per cent. were in the category described as "definitely subnormal," whereas at a public school examined at the same time none of the boys were "definitely subnormal." Among these elementary school-children the numbers found "normal" varied from 40 to 45 per cent., as compared with 90 per cent. for the public school boys, and those "slightly below normal" from 19 to 38 per cent. as compared with 10 per cent. for the public school boys.

Control tests which have been carried out confirm the accuracy of the method of test. Thus at one school those children who were found to be subnormal at the first test nearly always—viz., in 39 out of 40 cases examined—returned to normal (30 cases), or showed some improvement (9 cases), after treatment with vitamin A for about four weeks, while those not so treated remained virtually unchanged.

Vitamin-A deficiency as measured by the dark-adaptation test was found to be more prevalent among younger children than among adolescents, and more prevalent among the latter than among adults, in the classes of society studied. There was no important sex difference, although girls at 13 or 14 years had somewhat better average reserves than boys of the same age.

We wish to express our great indebtedness to all the following who, by readily allowing us to examine the children under their care, have made the work possible: Dr. C. H. Budd, Dr. G. Chaikin, Dr. A. C. M. Elman, Mr. W. B. Grandison, Mr. W. G. Humphrey, Mr. G. Huse, Dr. A. J. Laird, Miss E. E. Rackham, and Dr. A. J. Smyth.

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# MYCOSIS FUNGOIDES D'EMBLÉE

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Mycosis (or granuloma) fungoides is a chronic affection of the skin characterised by erythematous or eczematoid lesions which become irregularly thickened and finally form tumours which ulcerate, the d'emblée type being very rare. As a rule the disease manifests itself clinically, in the four main stages of dermatitis, infiltration, tumour formation, and ulceration.

## FOUR STAGES

*Dermatitis.*—Besnier (1892) has said that "in the presence of a chronic, ambiguous, pruritic dermatitis, rebellious to ordinary treatment . . . it is necessary to bear in mind the question of a possible mycosis fungoides." This stage lasts for months or even years and is often mistaken for psoriasis, urticaria, eczema, &c. Usually the patches, occurring anywhere in the skin, are circinate in outline; they have a pinkish colour and may disappear spontaneously often to reappear in the same or some other part of the body. Itching is usually the predominant feature at this stage and is rarely absent.

*Infiltration.*—This gradually supervenes on the dermatitis, the first type of lesion being mixed with the infiltrated lesions. The latter are circinate and vary in size from that of a pea to 4–5 in., often coalescing. Itching may be present but is not a special feature. The condition may never progress beyond this stage during the life-time of the patient, but it may be replaced gradually by the stage of tumour formation.

*Tumour formation.*—This is characterised by round or oval growths varying in size from ½ in. to 4 or 5 in. in diameter with a purplish colour and an elastic consistency; many are pedunculated. Pain is absent and pruritus is uncommon in this stage.

*Ulceration.*—After a time the growths ulcerate at their apices and exude a sero-sanguineous fluid.

These four stages comprise the clinical picture most often seen, but the earlier manifestations are extremely variable in their course. For descriptive purposes the disease is divided into four stages, but in practice one sees two main stages, the premycotic stage and the stage of tumour formation. Only very rarely does the tumour stage appear without premycotic manifestations as the first evidence of disease; this is the so-called d'emblée type of mycosis fungoides.

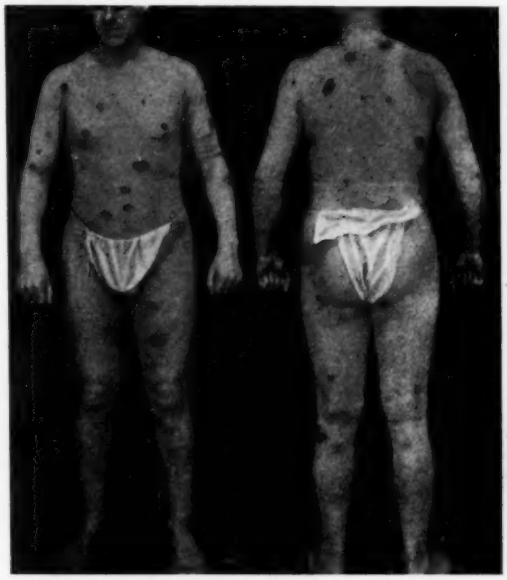
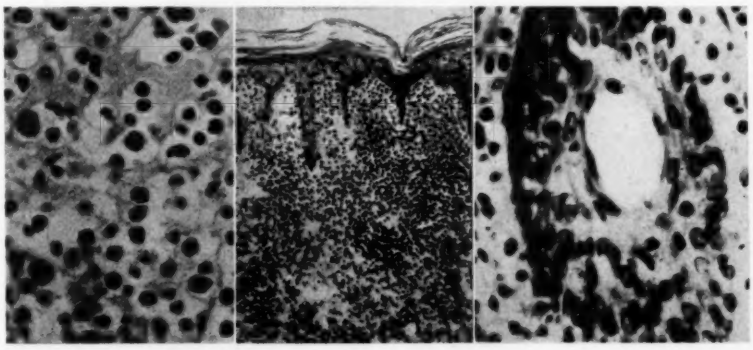


FIG. 1 (Case 1).—September, 1935: Showing distribution of the tumours.

## FIRST CASE

A newsagent, aged 36, was seen in the out-patient department on Feb. 20th, 1935, complaining of a lump in the left groin. It had been present for 6–8 weeks and was at first "like a blind boil," but had progressed steadily until in February, 1935, it was the size of a plum. The swelling was purplish-red in colour, elastic in consistency, and fixed to the skin and deeper structures. He did not complain of any glandular swellings or general disturbances. A portion of the lump was excised for examination and a round-cell sarcoma was diagnosed. He was admitted to the Manchester Royal Infirmary on March 8th, and on March 13th the tumour was excised locally by diathermy together with a neighbouring lymph gland. Sixteen 1 mg. radium needles were implanted and left for five days. The pathological report on the section was "large round cell sarcoma, lymph gland contains a few large cells, possibly sarcoma cells." On May 13th a linear granulating scar was still present at the site of operation with a hard, brawny infiltration of the surrounding tissue (? secondary devitalisation of the skin due to the radium) but the patient felt well and had actually gained a stone in weight since the operation. In June he noticed that cutaneous tumours, very like the first lump noticed in the groin, were developing in various regions of the body, especially in the shoulder regions, the left buttock, and the thighs. These lumps began as flat plaques, at first pink and later a dull reddish-blue. On June 12th a radiogram of the chest was negative. Deep X ray therapy was applied to the left groin which became supple and less indurated, but two months later, in spite of X ray therapy to the body, fresh lesions had developed in the skin at various sites including the penis. The tumours cleared up very rapidly



A B C

FIG. 2.—Photomicrographs from Case 1, showing (A) lymph gland (×600); (B) section of skin nodule (× 100); (C) infiltration round a hair follicle (× 450).

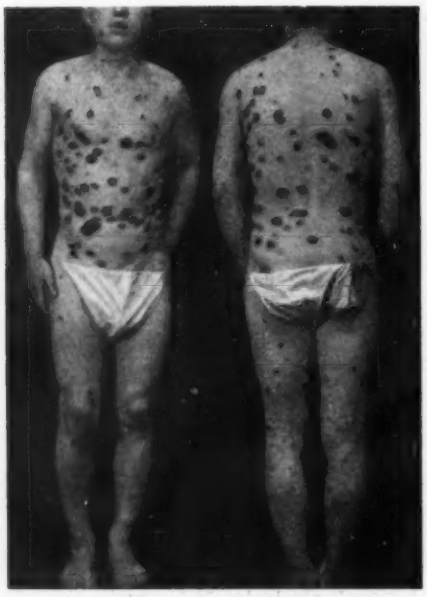


FIG. 3 (Case 2) —Oct. 5th, 1936: Showing distribution of the tumours.

with X ray therapy, but fresh ones appeared and he began to complain of malaise after the treatment. A skin nodule was excised at the Manchester Skin Hospital in September and Dr. L. Savatard diagnosed mycosis fungoides d'emblée.

The patient was readmitted to Manchester Royal Infirmary on Sept. 26th. During the whole of his illness he had never complained of pruritus or pain in the lesions.

*Other history.*—Married, no children. No previous medical history of note.

*On examination.*—A well-developed and nourished man, but rather pale. He presented a widespread, general eruption consisting of roughly circular, cutaneous tumours (Fig. 1); the smaller and more recent ones appeared pink in colour, whilst the older and larger ones were purplish-blue. Some of the latter were ulcerated at their apices and covered with crusts of sero-sanguineous material. The lesions varied from the size of a florin to about 3¾ in. in diameter and were firmly fixed to the skin. They were elastic in consistency, not tender, and their outlines were clearly defined, many having circinate edges. The palms, soles, and the scalp were the only regions free from the lesions. Shotty lymph glands were palpable in both axillæ. In the right axillary and supraclavicular regions large masses of glands were present, irregular in outline and tender on palpation; these were fixed to the skin and deeper structures. The right superficial cervical glands were somewhat enlarged. Mucous membranes were normal. The tongue was furred. Teeth: upper artificial, lower carious, severe pyorrhœa round lower incisors. The abdomen and the cardiovascular and central nervous systems were normal. The Wassermann reaction was negative on three occasions. Blood counts were as follows:—

| | Oct. 1st. | Oct. 25th. | Nov. 1st. |
|---|---|---|---|
| Red cells | 4,750,000 | 4,660,000 | 2,770,000 |
| Hæmoglobin % | 92 | 77 | 56 |
| Colour-index | 0·96 | 0·95 | 1·0 |
| White cells | 7200 | 8500 | 12,400 |
| Polymorph. % | 55·0 | 76·0 | 82·5 |
| Lymphocytes % | 37·5 | 20·0 | 10·0 |
| Mononuclears % | 5·5 | 3·0 | 6·5 |
| Eosinophils % | 1·5 | 0·5 | 0·5 |
| Basophils % | 0·5 | 0·5 | 0·5 |
| Anisocytosis / Poikilocytosis | Slight | Slight | Severe |

Platelets were abundant throughout; no nucleated red cells were seen.

*Treatment and progress.*—The lower incisor teeth were extracted and the patient was treated with Antileprol, 45 grains t.d.s., but this was discontinued after one week, there being no improvement. Protein shock therapy was found to be useless. On Oct. 14th the patient developed œdema of the right arm, followed by considerable œdema of the feet, and Salyrgan was administered with good effects. He became progressively worse in spite of the disappearance of many of the tumours after X ray therapy. For the last six weeks of his illness he had an irregular pyrexia, averaging 100° F., with a maximum of 104° F. He died on Nov. 26th.

*Autopsy* (Dr. W. Susman).—Covering the skin, including that of the nose, cheeks, trunk, and limbs, there were many purplish discoloured areas, varying in size from 1 to 10 cm. in diameter; these were raised, firm, and tended to ulcerate. The hands, feet, and scalp were spared. The pancreas, colon, peritoneum, stomach, and thyroid were normal. There was straw-coloured fluid in both pleural cavities. The right lung (400 g.) was collapsed and congested, the left (800 g.) showed intense œdema and congestion. In the first part of the duodenum there was a small circular ulcer 1 cm. from the pylorus. Liver (1850 g.): scattered hæmorrhages on the under surface of the left lobe; liver substance pale yellow with pinkish mottling. Spleen (210 g.): enlarged, maroon in colour, semi-diffluent; on section mottled, dark purple and pink appearance. Suprarenals: some diminution of cortical lipoid. Right kidney (120 g.), left kidney (140 g.): pale cortices, with the pattern somewhat obscured; capsules stripped easily. No abnormalities in the skull and meninges. Brain (1540 g.): an obvious pressure cone with some congestion in the medulla and spinal cord.

*Microscopical examination.*—Spleen: recent hyperplasia. Stomach: recent ulceration with foci of round-cell infiltration. Lymph glands swollen and conglobate, made up of large mononuclear cells among which were a few giant cells and eosinophils (Fig. 2 A). Skin nodule: much infiltration with round cells in a palisade-like arrangement in bands at right angles to the surface; the infiltrate was greatest in the papillary and sub-papillary layers, round the hair follicles, the sebaceous glands and coil ducts, the blood-vessels and fat spaces (Fig. 2 B). The cells were mostly large round cells containing a granular protoplasm with large deeply staining nuclei (Fig. 2 C). Smaller round cells of the same type and an occasional giant cell containing a large nucleus with irregular hyperchromatic chromatin were also present. Mitotic figures were very numerous and many of the cells showed a tendency to necrosis.

SECOND CASE

A blacksmith's apprentice, aged 17, was admitted to the hospital on Oct. 3rd, 1936. He had been perfectly well until Sept. 1st, 1936, when he noticed a "lump in the skin" over the upper end of the sternum. At first it was pink in colour and he thought it was "going to be a boil," but one week later it became deeper in colour and increased in size. At the same time he noticed similar swellings appearing all over the body except on the arms, soles, and scalp. They all underwent the same changes as the original sternal tumour. There had been no itching or pain, loss of appetite, disturbances of the bowels or palpitations. Micturition was normal and he had gained weight. For the ten days before admission he complained of dyspnœa on exertion and this became much worse two to three days before admission. One week before admission he noticed swelling of both legs but this had disappeared. There

FIG. 4 (Case 2).—Photomicrograph of skin nodule (×100).

was nothing worthy of note in the family or previous medical histories.

*On examination.*—A well-built, well-nourished youth. Dyspnœa so marked that it was necessary to sit the patient up in bed. There were widespread lesions especially over the chest and lower abdomen, a few on the legs but none on the arms (Fig. 3). The two most recent ones were on the face. Each consisted of a tumour ½–1½ in. in diameter and roughly circular in outline. The recent tumours were pink elevations of the skin, but the older and larger ones were deep purplish-red and many of them showed ulceration at their apices. They were unattached to the deeper structures and looked like mushrooms, one or two being pedunculated. The edges were well defined but many of the lesions were confluent. They were not tender. The supraclavicular and axillary glands were enlarged but were not hard or attached to skin or deeper structures. The mucous membranes were normal. The chest moved well on respiration; there was dullness at both bases, the right more than the left, and diminished air entry at both bases. Scattered râles were heard at the right apex. The alimentary, central nervous, and cardiovascular systems were normal except for the apex-beat which was displaced 1 in. external to the midclavicular line. The pulse-rate was 140. The temperature was a little raised with a maximum of 99·5° F.

Blood count (Oct. 5th):

| | | | |
|---|---|---|---|
| Red cells | 4,000,000 | Differential: | |
| Hæmoglobin | 100 % | Polymorphonuclears | 57·0 % |
| Colour-index | 1·02 | Lymphocytes | 35·5 % |
| White cells | 7,500 | Large mononuclears | 5·5 % |
| | | Eosinophils | 1·5 % |
| | | Basophils | 0·5 % |

Slight anisocytosis and poikilocytosis; no nucleated red cells; abundant platelets.

Wassermann reaction negative.

Radiogram of the chest (Oct. 5th) showed a large mass in the mediastinum projecting out into the hilar region of both lung fields. There was effusion at both bases, only slight on the left side. Half a pint of uniformly blood-stained fluid was removed from the chest in the posterior scapular line of the right side.

*Progress.*—Dyspnœa was still very severe and the patient slept badly, requiring hypnotics. On Oct. 6th œdema of the arms and legs was severe and the patient was taken home against advice on the same day. The following was a report from his own doctor: "On Oct. 10th the patient began to cough very badly, there was no sputum and the dyspnœa increased very much. The tumours did not enlarge but fresh ones appeared. On Oct. 11th the whole body and especially the face and extremities became œdematous. There was no pyrexia, and his heart was perfectly regular though rapid until his sudden death on Oct. 17th."

*Histology.*—A section of a skin nodule showed a mixed cellular infiltrate indistinguishable from that of Case 1, but no giant cells were seen (Fig. 4).

### DISCUSSION

The ætiology of this condition is obscure, some writers classifying it together with lymphosarcoma, lymphadenoma, and leukæmia cutis under the term lymphoblastoma (Wile and Stiles 1935, Keim 1929). Certainly the pathological picture is one of an infective granuloma, but the condition also shows many of the features of a new growth. Cases have been described where there have been leukæmic changes in the blood (Pardee and Zeit 1911, Fraser 1925). While doubt has been cast on the disease as a pathological and clinical entity (Symmers 1932) yet "the preponderance of evidence, both clinical and histologic, demands the continued recognition of this condition sui generis" (Ormsby and Finnerud 1933).

From the radiological point of view the most interesting feature of Case 1 was the extreme radiosensitivity of the nodules. When the patient was first treated on the assumption that the first lesion in the groin was sarcomatous, dosage up to 3000 r. was applied, and the nodule cleared up before the end of treatment. When multiple lesions developed, dosage was reduced and it was found that individual nodules would disappear on dosages of 300–400 r. In the later stages the lesions became so numerous that although they still reacted to treatment, not only was the time taken to treat them very considerable but the summation of the many comparatively small dosages became appreciable and no doubt was to some extent responsible for the blood changes reported. The total amount of irradiation given over a wide body area amounted to 32,000 r. in six months. The only case to which reference could be found in the radiological literature was reported by Japiot (1936) who also found that individual lesions responded to doses of the order of 400 r.

### SUMMARY

1. Two cases of mycosis fungoides d'emblée are described.

2. The first case was characterised by its radiosensitivity.

3. The second case was remarkable for the rapidity with which death occurred. Masses were demonstrated in the lungs which were presumably secondary deposits. Mycosis fungoides only rarely affects the internal organs.

I wish to tender my thanks to Drs. T. H. Oliver and A. Ramsbottom for permission to publish these cases; Drs. J. F. Wilkinson, L. Savatard, and P. B. Mumford for their valuable suggestions; and Dr. R. S. Paterson for his help on the radiological aspect of the condition.

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## KETONÆMIA IN INFANCY

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The introduction by Cantoni (1935) of a micromethod for estimation of blood ketones now makes possible a study of ketonæmia in very young children, since only small quantities of blood are required. This communication deals with results I have obtained with such a method in normal and vomiting infants.

There is but little information on the blood-ketone value of infants. Moore (1916) obtained values of 0·8–13 mg. per 100 ml. whole blood in healthy children varying in age from 5 weeks to 5 years. His figures are summarised in Table I:—

Table I.—*Moore's Figures*

| Diagnosis. | Cases. | Age. | Blood ketone mg. per 100 ml. |
|---|---|---|---|
| Diarrhœa with acidosis | 6 | 3–15 mths. | 10·2–35·0 |
| Fatal diarrhœa without acidosis | 4 | 5–22 mths. | 14·4–30·3 |
| Ileocolitis | 2 | 8 mths., 2 yrs. | 16·5, 28·6 |
| Unspecified (? gastro-enteritis) | 3 | — | 138·6, 110·8, 182·6 |

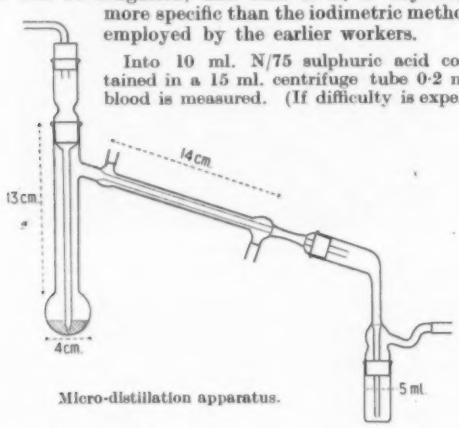
He thus concluded that "in some patients showing acidosis clinically the acetone content of the blood was sufficient to account for the acidosis. Many

cases of acidosis in infancy and childhood are not accompanied by an increase of acetone bodies in the blood sufficient to account for the severity of the acidosis." Howland and Marriott (1916) give similar figures for ketonæmia. More recently interest has centred in the so-called "acetonæmic vomiting of childhood," and the literature on this is fully reviewed by Ström (1935). "Acetonæmic vomiting" however occurs in children older than those considered in this paper.

## METHOD

The colorimetric method of Behre and Benedict and its modifications have been much criticised (Ravin 1936), but I have satisfied myself by estimation on normal blood with known amounts of acetone bodies added that this method is accurate enough for this investigation, and that it is, if anything, more specific than the iodimetric method employed by the earlier workers.

Into 10 ml. N/75 sulphuric acid contained in a 15 ml. centrifuge tube 0·2 ml. blood is measured. (If difficulty is experienced in the collection of blood, heparin may be used as an anticoagulant in a Martin-Lepper tube.) After standing for half an hour, 0·2 ml. of 10 per cent. sodium tungstate is added and 10 minutes later the resulting protein precipitate is centrifuged off. Since the ordinary laboratory centrifuge usually leaves a layer of precipitate adherent to the surface of the solution, it is at this stage filtered, and the volume of the filtrate noted. This will always be less than the original volume of liquid, since the filter paper retains liquid in its interstices. The filtrate is then poured into the micro-distillation apparatus (see Figure) and this is followed by 1 ml. of 2 per cent. potassium chromate and 5 ml. 50 per cent. (by volume) sulphuric acid. A slow current of air is drawn through the apparatus and with a small flame 5 ml. of distillate are collected in the receiver. To 2 ml. of distillate contained in a test-tube (12·5 by 1·2 cm.), 0·5 ml. saturated sodium hydroxide and three drops equivalent to 0·07 ml. of salicyl aldehyde (B.D.H.) are added. The tube is then placed in a boiling water-bath, shaken at the end of 2 min. and left in for a total period of 5 min. The colour developed 6 hours later is compared with a series of standards prepared according to Cantoni's method. This colour is stable for 6–24 hours, but the standards are permanent and are made up from inorganic salts. They correspond to the colours developed from 0·5 $\gamma$ to 20 $\gamma$ acetone in 1 $\gamma$ or 2 $\gamma$ intervals.



Micro-distillation apparatus.

If $\gamma$ = standard colour approximating to that obtained from the unknown, and $a$ = volume of deproteinised filtrate distilled, then total acetone—

Present in { 2 ml. of distillate .. = $\gamma$.
5 ml. " .. = $\gamma \times 5/2$.
10·4 ml. of original sol = $\gamma \times 5/2 \times 10{\cdot}4/a$.

i.e., Acetone present in 0·2 ml. of blood .. .. .. = $\gamma \times 5/2 \times 10{\cdot}4/a$.

∴ Acetone present in 100 ml. of blood .. .. .. = $\gamma \times 5/2 \times 10{\cdot}4/a \times 100/0{\cdot}2$.

∴ "Total acetone bodies" present in 100 ml. blood { = $\gamma \times 5/2 \times 10{\cdot}4/a \times 100/0{\cdot}2 \times 1/1000$ mg.

## RESULTS

In a control series of 20 normal infants, 10 aged less than 3 months, 10 over 3 months, the values varied from 1·4 to 2·0 mg. per 100 ml. whole blood.

The following are the results in two groups of similar ages (Table II):—

TABLE II—*Author's Findings*

| Diagnosis. | Cases. | Age. | Blood ketones mg. per 100 ml. |
|---|---|---|---|
| Normal. | 10 | 1–12 w. | 1·4–2·0 |
| " | 10 | 3–12 m. | 1·4–2·0 |
| Gastro-enteritis or disease associated with vomiting. | 15 | 1–12 w. | 1·6–4·0 |
| Congenital pyloric stenosis .. | 5 | 3–10 w. | 1·6, 3·0, 3·0, 4·5, 19·0 |
| Gastro-enteritis or disease associated with vomiting. | 9 | 3–12 m. | 1·6–4·5 |
| | 16 | " | 4·5–10·0 |
| | 7 | " | 10·0–19·0 |

w. = weeks. m. = months.

*Under 3 months.*—The values obtained from 20 vomiting infants under 3 months with one exception varied from 1·6 to 4·5 mg. per 100 ml., a slight though probably negligible increase above the normal level. The exception was a case of congenital pyloric stenosis with a value of 19 mg. which rapidly returned to normal after Rammstedt's operation. Four other cases of congenital pyloric stenosis showed no pronounced increase.

*Over 3 months.*—In 32 infants over 3 months, all suffering from an illness associated with vomiting, generally infectious gastro-enteritis, the figures varied from a normal level of 2·0 mg. to 19 mg. per 100 ml., the last figure approximating closely to that found in the precomatose stage of diabetes. In 23 cases the values exceeded 4·5 mg., in 7 cases 10 mg. per cent., and in these the most serious clinical symptoms were obtained, 6 proving fatal. In 15 children suffering from gastro-enteritis and treated by antiketogenic means the figures fluctuated to a greater extent than the others.

In many cases estimations were repeated every 3 or 4 days for several weeks.

## DISCUSSION

These results show that infants under 3 months develop ketonæmia much less readily than those above that age. Further, it seems that a high ketone value coincides with serious deterioration in the clinical condition, while decreasing values are associated with considerable improvement. Without further investigation, however, it would be unwise to assume that the degree of ketonæmia accounts for the clinical condition. It is more likely that this deterioration is due to some profound change occurring in an organ engaged in ketogenesis. Now experimentally it is well known that many of the agencies that produce ketosis also produce fatty change in the liver. Cases in this series with high blood-ketone values showed at autopsy marked hepatic fatty change. By permission of Prof. G. R. Cameron, I have analysed records of autopsies carried out on infants at University College Hospital during the last 13 years. The findings in 108 fatal cases of vomiting with and without diarrhœa were as follows:

| | Number. | Number and percentage with fatty livers. |
|---|---|---|
| Under 3 months .. .. | 39 | .... 3 (8) |
| Over 3 " .. .. | 69 | .... 28 (41) |

This percentage difference is significant for it is 6·7 times the probable error. Infants over 3 months

thus tend to develop fatty livers, while those under 3 months are far less liable to this change. It seems therefore that not only is there an age difference as regards the liability to ketosis, but also that the tendency to hepatic fatty change varies with age.

At present the explanation of the curious age difference must remain a subject for conjecture. It may be related to the apparent resistance to certain poisons known to exist in very young animals (Whipple 1912, Graham 1915, Cameron and Karunaratne 1936). Possibly both phenomena are related to the amount of fat stored in the body depôts. The adrenals may be concerned, for the cortical tissue undergoes considerable alteration during the early weeks after birth, and there is some evidence experimentally that the adrenal cortex is concerned in ketogenesis. Little is known as yet about the assumption by the anterior lobe of the pituitary of ketogenic control during the first months of life. Or it may be that a fœtal mechanism combating a tendency to anoxæmia, and possibly ketosis persists for some time after the fœtus is born. Differing abilities to excrete ketone bodies by way of the kidneys seem to be excluded for the degree of ketonuria appears to run parallel with the degree of ketonæmia. Most cases showing a pronounced ketonæmia in my series gave a positive ferric chloride urine test, whilst those without it gave only a positive or a negative Rothera test. This is in agreement with the findings of Hartman and Smyth (1926) who in a series of 20 cases, of which 12 are below 3 months of age, found that "in no case was there sufficient diacetic acid to give a positive ferric chloride reaction." Maizels (1931), in a series of 26 cases of vomiting all below 3 months of age, also observes that "diacetic acid was never found in the urine. A moderate amount of acetone was found in 10 per cent. of cases, and traces in a further 9 per cent."

As yet it would be premature to consider treatment, but it seems likely that apart from such factors as chloride loss and dehydration attention must be directed to ketonæmia in the case of infants over 3 months. Work is already proceeding along these lines.

SUMMARY

1. The blood-ketone value of healthy infants varies from 1·4–2·0 mg. per 100 ml. whole blood.

2. Vomiting infants under 3 months of age show slightly higher values (1·6–4·5 per mg. 100 ml.), very rarely much higher.

3. Vomiting infants over 3 months of age show much higher values (2–19 mg. with 70 per cent. over 4·5 mg. per 100 ml.).

4. The same age difference is seen in the incidence of severe fatty change in the liver.

5. Various suggestions about the probable cause of this difference are discussed and its significance in treatment indicated.

I have to express my thanks to Dr. W. Pearson of University College Hospital and to the honorary staff of the Infants Hospital, Vincent-square, for their permission to investigate infants in their wards. In particular, I wish to express my indebtedness to Dr. Montague Maizels, clinical pathologist to University College Hospital, for his interest in this work.

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# PHARMACOLOGICAL ACTIONS OF SULPHANILAMIDE

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THE pharmacological properties of sulphanilamide become more important as its use becomes more widespread. Probably they have been observed by many workers on this subject, but as no published description has been encountered, it has seemed desirable to record the following brief account. The preparation used has been the base, *p*-aminobenzenesulphonamide, which is only sparingly soluble, 1·5 grammes dissolving in 100 ml. water at body temperature. The solutions are approximately neutral but they have been adjusted to phenol-red by the addition of acid or alkali.

Examined by the usual pharmacological methods, a solution of 1 in 1000 was completely inert ; thus it had no action upon the rabbit intestine or guinea-pig uterus suspended in vitro at 37° C., or on the frog heart perfused through the inferior vena cava. A cat, anæsthetised with sodium barbiturate, was given intravenously 0·17 g. per kg. in 1·5 per cent. solution, and no effect could be observed on the blood pressure ; similarly with a dog which also received 0·17 g. per kg. It has no trypanocidal action in vitro, trypanosomes withstanding a concentration of 1 : 400 for 24 hours at 37° C.

In the light of these results, further investigations were made by administering very large doses to animals and observing the symptoms produced. Injections were made intraperitoneally, and they appeared to cause no irritation. Of ten rabbits, one received 0·4 g. per kg. and showed no symptoms ; two received 1·0 g. and one showed moderate symptoms ; two received 1·5 g. and both showed marked symptoms ; five received 2·0 g. and two of these died. Of two cats which received 2·0 g. per kg., one died after three days.

Rabbits which have received 1·5–2·0 g. intraperitoneally show no symptoms for ½–1 hour. Then they begin to exhibit weakness of the legs and dyspnœa. About an hour and a half after injection the animal lies helpless on its side panting. The legs are rigidly extended and motionless, the fore-legs being adducted, the hind-legs somewhat abducted. The head is strongly retracted. The pupil is dilated but usually responds sluggishly to light, and the rabbit blinks at strong illumination. There is little response to pinprick, but when the animal is pushed it will make a few convulsive movements. At this stage there is little or no spontaneous motion, but consciousness appears to be preserved. The general appearance is suggestive of decerebrate rigidity. After about 3–4 hours occasional voluntary movements recommence, alternating with periods of quiescence in the posture already described. The extensor rigidity is more marked. Several of the animals showed violent side to side nystagmoid movements of the head for many hours during this stage. Grinding of the teeth was observed. The panting continues. At about 10 hours signs of recovery begin to be seen. At 24 hours rabbits which do not die can adopt a normal posture, although they are somewhat weak. In two or three days they become almost normal again. During these disturbances there is usually no loss of weight ; in fact some animals showed an increase. The

(*Continued from previous column*)

Maizels, M. (1931) *Arch. Dis. Childh.* **6**, 293.
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Whipple, G. H. (1912) *J. exp. Med.* **15**, 259.

urine is loaded with crystals which resemble those of sulphanilamide.

In cats the picture is somewhat different. Symptoms commence after about one hour with spasticity of the legs and dyspnœa; one cat vomited. The spasticity is most marked in the fore-legs, which are rigidly extended, while the hind limbs may be semiflexed. From about 1½–4 hours the cat becomes completely anæsthetised and lies limp on its side, with rapid stertorous, "bubbly" breathing, as though moribund. Then the anæsthesia passes off and the cat begins to make spontaneous clawing motions with its extended fore-legs. Both cats showed nystagmoid movements of the head, backwards and to the side. When placed in a box the cat lies on its side and keeps levering itself round backwards by means of the fore-legs. One cat recovered sufficiently to walk about in 24 hours, and in 48 hours it appeared normal; the other continued in the spastic condition for about three days and then died, apparently of exhaustion and lung infection.

Animals which survived were killed after a week and the organs of all animals were examined histologically. The liver, kidneys, and other viscera showed no change due to the sulphanilamide. In three animals, which died from the drug, the central nervous system was examined; degenerative changes—e.g., chromatolysis—were observed in the neurones of the anterior column of the spinal cord, and in some of the nerve-cells of the cortex and mid-brain.

The symptoms suggest that in acute poisoning by large doses of sulphanilamide the stress falls mainly on the central nervous system, apart from the dyspnœa which is presumably due to the formation of sulphæmoglobin. In cats there seems to be transient paralysis of the cerebral cortex for a few hours; in rabbits the cortex is only depressed. The extensor rigidity of the limbs and nystagmoid movements of the head are evidence of disturbed function in the brain stem and spinal cord; but how far these are due to excitation, and how far to removal of inhibition, it is difficult to decide.

In conclusion, it may be pointed out that the symptoms described above have little significance for human therapy, since they were obtained only by the use of very large doses; and although at one stage the animals appeared completely prostrated, most of them subsequently made a dramatic recovery. It has not been possible to trace any case of nervous symptoms in a human being attributable to sulphanilamide or to allied compounds.

SUMMARY

Sulphanilamide has almost no action on smooth muscle, heart, or blood pressure. When very large doses are given to rabbits or cats, it produces nervous symptoms somewhat resembling decerebrate rigidity.

My thanks are due to Dr. G. A. H. Buttle of the Wellcome Physiological Research Laboratories for the supply of sulphanilamide, and to Prof. J. B. Duguid and Dr. J. Gough for advice on the histological sections. This work was assisted by a grant from the Medical Research Council.

# MEDICAL SOCIETIES

## MEDICAL SOCIETY OF LONDON

AT a meeting of this society on Oct. 25th, with Mr. J. E. H. ROBERTS, the president, in the chair, a discussion on

### Treatment by Intravenous Infusion

was opened by Dr. GEORGE GRAHAM. He restricted his survey, he said, to the use of watery solutions of salts present in the blood. The ideal solution was perhaps a form of Ringer's, but this was difficult to keep sterile and stable. The mixtures usually given in this country were saline solutions of normal, 2 per cent., 5 per cent., or 10 per cent. strength; 2 per cent. sodium bicarbonate; and mixtures of these with glucose. Water should always be distilled, but not necessarily more than once. Tap-water was not very dangerous and might be used in an emergency. Reactions were due to changes in the water after sterilisation.

Infusion might be needed where there was great loss of fluid—e.g., cholera, dysentery, severe diarrhœa, vomiting due to pyloric obstruction or dilatation of the stomach, and diabetic coma. In cholera one pint should be given when the specific gravity of the blood reached 1062, one more pint for each further rise of 0·01, and yet another pint for each degree of temperature. An anæmic patient would have a low specific gravity, and then the required amount of fluid must be gauged by the clinical condition. The hæmoglobin should be estimated just before and after the infusion. In less acute cases of dehydration due to lack of food or fluid, to septicæmia, or to shock, some authorities recommended large amounts of fluid. Care must, however, be taken not to upset the mineral balance of the body by rinsing out potassium and calcium. Ringer's solution should be used if possible. One American worker had observed a high mortality from large infusions given to very sick patients and had laid down that the fluid and chloride excreted must be carefully measured. Dr. Graham asked whether the bulk of this fluid could not be given per rectum. In renal failure, where the patient's blood-urea was very high, the alkali reserve must, he said, be regularly estimated. If it was between 55 and 45 volumes of $CO_2$ per 100 c.cm. of blood the alkali might be given by the mouth, but if it was lower or the patient was very ill it should be given intravenously. Glucose helped to cause diuresis in both acidæmia and alkalæmia with a raised blood-urea.

Mr. G. GORDON-TAYLOR strongly condemned the use of gum infusions; Stuttaford of New York had pointed out the damage they did to the liver. Most surgeons used hypotonic saline in ileus. Sodium bicarbonate for shock had fallen into disuse and was now perhaps only employed after blood transfusion; it might, however, be valuable in the rare cases of post-transfusion reaction with hæmoglobinuria. Saline was indicated for sudden loss of fluid from the circulation—e.g., by hæmorrhage, where blood was not immediately available. When shock was threatened, as by a major operation, preparation with glucose and saline infusions was a useful precaution, but when shock was established, blood alone had any value. Tremendous loss of fluid might take place in the first few days after an operation, and preparation should be made to counteract it. Intravenous therapy was seldom of use in operations on the upper part of the alimentary tract; even after a total glossectomy the patient could usually receive sufficient fluid through a tube or a gastrostomy. It was of the greatest value, however, in pyloric obstruction or duodenal stenosis with severe vomiting, and it was very useful when fluids had to be restricted or withheld, as in total gastrectomy, incision of the cardia in achalasia,

œsophagogastrostomy, or excision of the common bile-duct. In duodenal fistula after massive gastrectomy infusion might prolong life, and it was also useful in biliary fistula and intestinal obstruction. Its greatest value was in common-duct obstruction associated with jaundice, especially as a preliminary treatment. Glucose was here the sheet-anchor, for it diminished the coagulation-time, probably by improving the lymphatic function. Glucose was also of great assistance in diarrhœa associated with ulcerative colitis, and in gastrocolic fistula, when the patient was dehydrated before operation. Generally, in giving infusions, the urine should be examined and the quantitative output measured; the bases of the lung should be remembered; and the nurse must be made to keep the drip feeding at the right rate.

Dr. H. I. COOMBS (Birmingham) demonstrated a complete infusion apparatus which he brought with him in a small handbag. In treatment he recommended 5 per cent. glucose in doses of 150 c.cm. a day, equivalent to 600 calories. Glucose was, he pointed out, a specific antiketogenic substance and therefore good for most patients who were very ill; it also made up for the glycogen-loss of the hardly-pressed liver and failing heart. The normal patient infused with sodium chloride would excrete it in the urine. The patient with alkalosis would retain the chloride he needed and excrete the sodium as sodium bicarbonate. The patient with acidosis would retain the sodium; some of the urea would be hydrolysed without change into ammonia and carbon dioxide, and the urine would contain ammonium chloride. Salt was therefore equally valuable for both conditions. Gum saline was not as harmful as Mr. Gordon-Taylor suggested.

Prof. L. J. WITTS asked when he ought to give 5 per cent. glucose, glucose-saline, hypertonic saline, and hypertonic glucose respectively. Most patients who needed saline were very ill and their kidneys did not function so well as the physiological kidneys upon which biochemists performed their experiments. To infuse 3000 c.cm. of 5 per cent. sodium chloride per day would give the kidneys an appalling task. Very few diseased kidneys would concentrate saline above that strength, and an excess of sodium would remain. He tried to determine the condition of the patient by estimating the blood glucose, chlorides, bicarbonates, and plasma, and the quantity and chloride concentration of the urine, but the state of a very ill patient was difficult to ascertain. Large quantities of Ringer's solution might do even more harm than similar quantities of normal saline.

Dr. J. W. TREVAN observed that Ringer's solution was better on theoretical grounds than sodium chloride, but one of the difficulties in giving ordinary Ringer's solution was the precipitation of calcium bicarbonate, and the percentage of sodium bicarbonate had therefore to be reduced to about 0·1 per cent. He doubted whether bicarbonate was necessary at all. Glucose tended to decompose in the autoclave and had better be left out. Instead of normal saline, he recommended a mixture of the chlorides of sodium, calcium, and potassium. This had a *p*H of 6·7, contained no buffers, and could be sterilised without change. If the distilled water could be kept sterile, there would be no trouble from hyperthermia.

Sir JAMES WALTON confessed to suspicion of large intravenous infusions and said that in his experience small infusions, perhaps repeated but not continuous, might be valuable if the bulk of the fluid was given by the rectum. The body would then take up what it needed and return what it did not. In surgical emergencies large quantities of fluid sometimes turned the scale against the patient.

Dr. P. H. MANSON-BAHR said that recent observations on cholera showed that hypertonic saline had little advantage. Workers in Shanghai had reverted to the conception of giving normal saline, and other authorities were suggesting that the dosage should be measured in pints instead of litres.

Dr. H. L. MARRIOTT deplored the wide misuse of intravenous therapy, and the ridiculous spectacle of patients who were able to drink receiving large infusions. The rectum would absorb up to two gallons a day by Murphy's original technique. The anal sphincter could only relax under a positive pressure of between 15 in. and 2 ft. The can should be placed not more than 4–7 in. above the anus. If a wide nozzle and tubing was used and there was no constriction, flatus could blow out through the can and flow would be instantly resumed. Intravenous sodium chloride might cause œdema, and a 5 per cent. isotonic solution of glucose was better. If hypertonic glucose was given, the excess was immediately excreted in the urine.

Dr. D. S. BATEMAN said that the treatment of acute gastro-enteritis of infants had been revolutionised by the introduction of continuous intravenous saline. The best solution had been found to be 5 per cent. glucose in normal saline, and reactions had nearly always been due to low temperature of the fluid or to excess of quantity and speed. Nurses would not change the heating system sufficiently often or adjust the drip carefully, and so the method had been derided. This was disastrous, for it held out a wonderful opportunity of recovery. The tube should be led between two hot-water bottles wrapped in flannel, and the doctor must attend to the apparatus at regular intervals. The treatment was also really useful for children suffering from pyloric stenosis and intussusception. A double needle, one part fitting into the other, was convenient, for it allowed a blood transfusion to be given at any time. By far the best instrument, however, was a ureteric catheter, which allowed complete mobility of the limb and could be inserted to a greater length.

Dr. A. A. OSMAN declared that these solutions were invaluable in renal failure, but rectal administration was preferable to intravenous.—Mr. A. L. ABEL described the advantages of the American infusion apparatus known as the Baxter Vacoliter, which, he said, never produced fever or venous thrombosis, remained sterile, could be put together in 30 seconds, and would work for eight hours continuously. For an adult there was no need to warm the solution above room temperature.

Dr. GRAHAM, in reply, said that in severe uræmia sodium bicarbonate was needed to raise the blood alkali. In answer to Prof. Witts, he recommended the use of 2 per cent. sodium bicarbonate and 5 per cent. glucose for ordinary feeding, 10 per cent. to produce a diuresis, and not more than 10 to 20 g. sodium chloride in a day.—Mr. GORDON-TAYLOR said that large quantities of glucose given rectally produced distension and embarrassed the patient.—Dr. COOMBS reminded Prof. Witts that a sick patient lost large quantities of fluid in the breath and sweat. Nurses did not like giving rectal saline and would often neglect it. The drip was physiological, and pulmonary œdema was very rare and usually caused by a nurse neglecting to fit the clip on the rubber tube. The temperature could be raised by leading a long tube through the patient's bed close to his leg.

# ROYAL SOCIETY OF MEDICINE

## SECTION OF NEUROLOGY

BEFORE this section on Oct. 21st Dr. ANTHONY FEILING delivered a presidential address entitled

### Central Pain in Spinal Cord Lesions

The term "central pain," he explained, was generally restricted to pain associated with lesions in the substance of the central nervous system. Cases of real central pain exhibited three chief features: spontaneity, persistence, and a more or less constant distribution in each case.

Persistent central pain was not common in *spinal cord injuries*, but striking examples had been seen in the late war. Holmes had noted that in all cases the pains were spontaneous but much aggravated by external stimuli, especially movements of the affected parts, vibrations, and even light. Severe pain was often referred to distant parts below the level of the wound. Hyperæsthesia was sometimes more persistent than the pain itself. The severity generally abated in two or three weeks. In unilateral injury the pain was felt chiefly on the paralysed side. The injury was mostly in the cervical part of the cord. The pain might arise from severe concussion or commotion effects without any direct external wound. Severe pain from injuries of the cervical part were often referred to the arms, especially in the distribution of the eighth cervical and first dorsal segments. Hyperæsthesia might persist for some time. Lhermitte had distinguished other forms of pain, including hyperalgesia to cutaneous stimuli, electric shock-like pain provoked by movement, and pain recalling that of tabes. The more severe the spinal injury the less likely were central pains to be felt. They were almost unknown where paraplegia was complete and prolonged, and were not generally associated with very slight spinal injuries where paralysis was only transitory. The lesion which usually caused them was a moderate damage to the cord short of complete interruption of function.

Pain was a well-recognised early symptom in *spinal cord tumours*. Dr. Feiling referred especially, however, to a class of pain which he had found to be more frequent in cases of extra- and intra-medullary tumour than was commonly believed: pains referred to distant parts and areas not supplied with sensation from the nerve at the level of the lesion. These pains hardly seemed to have received the attention they deserved. In several cases the earliest complaint had been of pain in the legs, not of a radicular type and most often referred to the distal parts of the legs, when a tumour was present considerably above the lumbar region. Intramedullary tumours occasionally produced very intense, persistent, widely distributed, and intractable pain.

Although pain was usually considered to be absent in *syringomyelia*, he believed that it might be an early symptom. Some patients complained of burning, cutting, or painful cold. As a rule it was referred to areas innervated only from the cervical and upper dorsal regions of the cord. The shoulder, arms, and upper thorax were most affected, and in some cases the pain was entirely unilateral. Where the pains were confined to the upper extremities and trunk they were usually associated with both hypoalgesia and loss or diminution of thermal sensibility. Persistent pains were sometimes referred to the legs. He doubted whether the pains in syringomyelia were really due to distention of cavities in the cord. The results of operation were far from uniformly successful, and gross enlargement could exist without pain. His present conclusions were that X rays were the first treatment of choice and operation the second. Simple incision of the cord was generally soon followed by a return of the pain, and more success might be hoped for from complete division of the cord in the middle line over a number of segments, to ensure that the fibres crossing the middle line and carrying sensations of pain would be divided.

Similar types of subjective disorders of sensation might exist in *disseminated sclerosis* and in *subacute combined degeneration*. Paræsthesiæ were apt to be more persistent and prominent in the latter syndrome, and assumed every conceivable form. Less often, but much more commonly in subacute combined degeneration, the patient complained of peculiar thermal dysæsthesiæ, especially a feeling of intense cold. Sensations of heat or warmth were very unusual. It was not always easy to distinguish between the pains and the dysæsthesiæ. Real severe pains were uncommon in both conditions but undoubtedly occurred. In disseminated sclerosis they were most often an early symptom and affected especially the legs. They were spontaneous but not continuous, occurred as a rule in paroxysms lasting a few days, and were sometimes likened to toothache and sometimes to electric shock. They occasionally resembled sciatica, and in some cases had a girdle distribution. Severe trigeminal pain was sometimes felt in disseminated sclerosis. Girdle sensations and pains were also not uncommon in subacute combined degeneration, and quite a number of patients complained of severe pains in the legs. As, however, degenerative changes occurred in the peripheral nerves, the physician must be cautious in assuming that the origin was in the spinal cord. Some of the most obstinate cases of central pain had been associated with a reliable diagnosis of vascular lesion.

*Tabes dorsalis* was more apt than any other disease of the cord to cause striking and characteristic pains. All agreed that the essential lesion was a degeneration of certain exogenous fibres of the posterior root. The crucial question was at which point the afferent neurone was first attacked, and Dr. Feiling declared his belief in the earlier conception that the first changes occurred in the intraspinal course of the nerve-fibre. If this were true, then the classic pains of tabes might be regarded as a form of central pain. Changes in the peripheral nerve could not be absolutely excluded, but other peripheral nerve lesions very rarely produced pain of the same character and persistence.

The only factor common to all the different conditions in which central pain was observed was an alteration in the physical state of the nerve-fibres. Many of these must be destroyed entirely, and many must be in a state of degeneration or slow death. The central pains were in some cases referred to parts which were normally sensitive to objective testing of sensation, and in other cases to insensitive parts. Moreover, while they were sometimes referred only to parts innervated from the segmental level of the lesion, in other cases they were referred to parts distant from the site of the lesion. Afferent paths carrying sensation must therefore still be functioning between the site of the lesion and the higher centres. Noxious stimuli directly applied to certain parts of the spinal cord in fact produced pain. While admitting that the conception of a permanent or even long-standing focus of irritation or stimuli was somewhat unsatisfactory, Dr. Feiling believed that it was still the most probable explanation of these pains. He could not say why pain was entirely absent in some cases and permanent in others.

# REVIEWS AND NOTICES OF BOOKS

## Autonomic Neuro-Effector Systems

By WALTER B. CANNON, George Higginson Professor of Physiology, Harvard University; and ARTURO ROSENBLUETH, Assistant Professor of Physiology at the University. London: Macmillan and Co. 1937. Pp. 229. 17*s*.

Dr. Walter Cannon and Dr. Arturo Rosenblueth have written a physiology book which is as exciting as a detective story. It is an account of the experimental methods which have been employed to detect the evanescent substances which are liberated in minute amounts at the nerve-endings by stimulation of the sympathetic and parasympathetic nerves. The discovery of the rôle of chemical substances in the conduction of nerve impulses is one of the most fascinating and important advances in neuro-physiology. It is more than thirty years since it was first shown that the secretion of the adrenal medulla stimulates the nerve-endings of the sympathetic nervous system, and even at that time Elliott suspected that the stimulation of a sympathetic fibre might act by evoking the liberation of an adrenaline-like substance at the nerve-ending. It was many years before Cannon and his collaborators showed the truth of Elliott's speculation and proved that the stimulation of sympathetic fibres liberated a substance, which Cannon called sympathin and which closely resembles adrenaline. In the meantime, Dale and his fellow-workers had shown that stimulation of parasympathetic nerve-fibres, for example the vagus, caused the liberation of acetylcholine at the nerve-endings, and that this substance was an essential link between the excitation of the nerve-fibre and the manifestation of the appropriate response in the viscus innervated. The subtlety of the physiological investigations necessary for this micro-endocrinology and the logical development of inferences from the experiments make one feel that Dr. Watson has at last scored off Sherlock Holmes.

The book is clearly written and well illustrated, and contains 342 references, 61 of which, it is worthy of note, are from the department of physiology in the Harvard Medical School. Only two criticisms suggest themselves. First, although it is not strictly within the scope of the book, reference might usefully have been made to the mode of action of Prostigmin in myasthenia gravis. Secondly, the index might have been fuller; for example, there is no reference in it to the coronary arteries though these are mentioned several times in the text. Physiologists will not be able to do without this book and physicians ought not to be able to do without it.

## Maladies des femmes enceintes

III. *Affections de la Peau.* By Dr. HENRI VIGNES, Professeur agrégé à la Faculté de Médecine; Accoucheur des Hôpitaux de Paris. With the collaboration of Dr. F. HANOUIN and Dr. G. VIAL. Paris: Masson et Cie. 1937. Pp. 202. Fr.28.

THIS treatise forms part of a series of the diseases of pregnancy, and as there are no special cutaneous complications of pregnancy, it might well be asked, why should a treatise on affections of the skin, even by so accomplished an author as Dr. Vignes, form part of a series on the diseases of pregnancy? The answer is that since biochemical and hormonal changes alter the metabolism of the pregnant woman, the skin itself, and its vascular, nervous, and chemical relationships and reactions, must also be affected. The demonstration of changes in the cutaneous reactions to stimuli, both internal and external, is no easy task, and recent discoveries in endocrinology and biochemistry have not simplified it. This book has been written for the obstetrician rather than for the dermatologist, and will be found most valuable when prognosis, whether maternal or fœtal, is under consideration. What are the chances, for instance, for the child of leprous parents? Should a woman with lupus vulgaris or lupus erythematosus have children? How should urticaria be treated in pregnancy, and is there a specific form of eczema associated with that condition? These and many other important questions are answered with authority by Dr. Vignes and his colleagues.

In its general outline the treatise follows that of the famous "Pratique Dermatologique," which has been recently rewritten in collaboration by some of the best known French dermatologists. Proceeding from a consideration of the physiology of the skin and its appendages in pregnancy and the general pathology of the dermatoses likely to arise at that period, the author adopts an accepted classification into diseases of parasitic, protozoal, virus, chemical or toxic, physical, and endocrine origins. These occupy the bulk of the volume. In the final chapter there is a useful compendium on treatment, and the index will satisfy the most exacting.

## Reading, Writing and Speech Problems in Children

*A Presentation of Certain Types of Disorders in the Development of the Language Faculty.* By SAMUEL TORREY ORTON, M.D., formerly Professor of Neurology and Neuropathology, Columbo University. London: Chapman and Hall. 1937. Pp. 215. 10*s*. 6*d*.

THIS book embodies the outcome of a ten-year study of certain developmental language disorders in children, interpreted in the light of such knowledge of cerebral localisation of speech as is based on symptoms following upon injury or disease of the brain in adults. The developmental conditions discussed are alexia (word blindness), agraphia, word deafness, motor aphasias, and apraxia (abnormal clumsiness). The author is convinced that these abnormal conditions are closely related to the question of "sidedness." His studies have shown a relative frequency of children in whom a definite sidedness is not established—who may be, for example, left-handed and right-eyed or right-footed. He has found only one factor common to the entire group of cases—a difficulty in reproducing in the order of presentation sequences of letters or sounds or units of movement, and he adheres to the theory propounded by him some years ago that the sensory records or engrams which he postulates in the non-dominant hemisphere of the brain must be completely elided if there is to be no confusion in recognition or recall.

Considerable space is given to educative treatment of the conditions. The book is interesting because of its description of types which may from time to time be encountered and are apt, on a superficial examination, to be diagnosed as varieties of general mental defect. Fuller records, however, of a few individuals typical of each condition would have been helpful. Incidentally, Dr. Orton has coined a

new name—strepho-symbolia—for the slighter degrees of word blindness.

It is questionable whether his theory will find general acceptance. Many will dispute his assumption of the existence of engrams, and others will hold that too much stress is laid upon localisation and lateralisation in the attempt to account for these disorders, and too little upon the general nervous disorganisation often evident in the types of children described.

## Science and Practice of Surgery

Sixth edition. By W. H. C. ROMANIS, M.B., M.Chir. Cantab., F.R.C.S. Eng., F.R.S. Edin., Surgeon and Lecturer on Surgery, St. Thomas's Hospital; and PHILIP H. MITCHINER, M.D., M.S. Lond., F.R.C.S. Eng., Surgeon and Lecturer on Surgery, St. Thomas's Hospital. In two volumes. London: J. and A. Churchill. 1937. Pp. 1956. 28*s*.

THIS excellent text-book needs little recommendation. It has proved its worth and has now held its place for many years as a guide to the student preparing both for qualifying and higher examinations. There is no great change in the general make-up of the book but it has been subjected to a thorough and extensive revision and brought right up to date. The sections on fractures and the sympathetic nervous system have been practically rewritten and a number of new illustrations have been added. This is a large book for an undergraduate to master, but nothing has been omitted that he ought to know and it is so easy to read that its actual size is no drawback. Moreover the authors are admirably impartial in presenting varying views and methods of treatment whatever their own convictions may be, and this is a good attitude to inculcate in the student.

## Synopsis of Gynecology

Second edition. By HARRY STURGEON CROSSEN, M.D., F.A.C.S., Professor Emeritus of Clinical Gynecology, Washington University School of Medicine; and ROBERT JAMES CROSSEN, M.D., Assistant Professor of Clinical Gynecology and Obstetrics in the University School. London: Henry Kimpton. 1937. Pp. 247. 12*s*. 6*d*.

THIS small book is designed for that group of students and practitioners to whom "gynecology is just one of a number of subjects which they need to know in a general way." The authors have somehow contrived to include in small space a reasonably full description of the subject, and certain chapters, such as that entitled Gynecologic Treatment Methods, contain detailed and even lengthy accounts of treatments that have been found beneficial by the authors. Symptomatology receives, as it deserves, a chapter to itself, and herein the difficult subject of backache and its causes is fully discussed. The psychological aspect of pain localised in the back is given due weight, and the student is told more than once to "evaluate the nervous make-up of the patient"—perhaps easier said than done. The book contains chapters on diseases of other organs in relation to gynæcology, the after-treatment in operative cases, and operative technique under the rather elaborate heading of Invasion of the Peritoneal Cavity. The volume is slender enough to justify its inclusion in a synopsis series, but small print and close line spacing account for this; the style of writing is not that of tabulation usually associated with synopses, but in the view of many readers is none the worse for that.

## Chirurgische Indikationen

By RUDOLF NISSEN, O-Professor der Chirurgie, Universität von Istanbul. Leiden: A. W. Sijthoff's Uitgeversmaatschappij N.V. 1937. Pp. 177. H.fl.3.50.

THIS survey of the whole of general surgery from the point of view of the indications for operative treatment makes interesting reading. Prof. Nissen has a very wide experience of the results of surgical intervention, and his recommendations seem to be based on sound judgment. Not only are the common diseases and conditions considered, but more complicated ones, such as the problem presented by the patient with abdominal symptoms and adhesions around the gall-bladder and duodenum, with no demonstrable ulcer, and a normal supple gall-bladder wall. Here Prof. Nissen is firmly of opinion that the separation of such adhesions would be unwise, and it is this sort of help that he can give to the experienced surgeon. There are no illustrations but, indeed, none are necessary in such a treatise.

## Hunterian Society Transactions

THE publication of its *Transactions*, which was a regular feature of the Hunterian Society's activities from 1885 to 1914, and was then suspended owing to the war, has now happily been revived. Volume I of the new series, which is edited by Mr. A. E. Mortimer Woolf, deals with the session 1936–37, during which the membership of the society rose to 399, including 12 honorary fellows.

In his presidential address, Reflections on the Cystoscope, delivered in October, 1936, Mr. H. C. Attwater traces the early history of lithotomy, which he shows to be one of the earliest of the specialties, for the Hippocratic oath includes the words "I will not cut persons labouring under the stone, but will leave them to be done by men who are practitioners of this work." He describes the evolution of the cystoscope from the *Lichtleiter*, a funnel-shaped speculum with tallow candle illumination, which Bozzini made in 1805, to the more practical instruments of Nitze in 1878 using a lens system and a glowing platinum wire, and so to the accurate appliances of the present day. In a debate the legalisation of euthanasia was supported by Dr. C. K. Millard of the Euthanasia Society and by the Master of the Temple, and opposed by Dr. Roche Lynch on the grounds that the present illegal but secret practice was less undesirable. During the session discussions were held on frequency of micturition in adults and gastro-enteritis in children, and the Society's lecture was given by Prof. Shoemaker of the Hague on the surgical treatment of gastric and duodenal ulcer. Lord Horder delivered the Society's oration on the Hunterian Tradition, maintaining that Hunter's greatness lay not so much in his technical skill as in his opening up of the vast field of observation and investigation in pathology which laid the foundation for modern surgery.

The *Transactions* end with a summary of the prize essay for 1935 on the Conduct of Midwifery in General Practice, by F. O. Bennett of New Zealand. Founded upon a considerable experience of single-handed midwifery this essay sets out the problems with which the general practitioner is commonly faced and the author's suggestions for their solution. Some of his views are original, for instance his advocacy of manual rotation and forceps delivery of all occipito-posterior presentations before they have a chance of becoming persistent; but where his methods are his own he makes out a most convincing case for their soundness.

THE LANCET

*LONDON: SATURDAY, OCTOBER 30, 1937*

## AN OBJECTIVE TEST OF MALNUTRITION?

MANY believe that malnutrition is widespread even in Great Britain, but they find it hard to convince those who do not. The criteria are not objective enough, and a standard for the state of nutrition is hard to define. From this point of view the greatest merit of the work reported by Dr. MAITRA and Dr. HARRIS on p. 1009 is that their test of vitamin-A deficiency is unaffected by the judgment of the observer collecting the data. Two questions, however, arise in connexion with such a test: is it specific? and is it reasonably accurate and reliable? The answer to the first seems eminently satisfactory. It appears to be fully accepted that the visual purple of the eye, the pigment which is bleached by light in the process of vision and which is re-created in the dark, is a compound substance of which vitamin A is one of the constituents. It is well known that night-blindness is associated with early states of vitamin-A deficiency and that it can be cured by administration of cod-liver oil or other potent source of this vitamin. The condition used as a criterion of A-deficiency for the purpose of this test for malnutrition is simply a milder degree of night-blindness, and what is measured is the capacity of the eye to adapt itself to changing states of light and darkness in carefully standardised conditions. The specificity of the test seems beyond doubt when one recalls that cases that have given subnormal readings begin to give normal ones after treatment with vitamin A, and that this can happen within ten minutes of a single injection of 20,000 international units of the vitamin.[1]

As regards the reliability of the test there are several techniques with various modifications but they all have the same object—namely, to make the person tested distinguish between varying graded degrees of illumination either as dark letters or bright spots against a ground with which they are in graded degrees of contrast. This requires a moderate amount of intelligence and conscientiousness and there is certainly some tendency for the subject to give improved readings with practice. Hence a certain psychological element must be reckoned with, and the technique cannot be used for very dull persons or the very young; nor, indeed, can it be applied to persons with gross uncorrected visual defects. It is therefore noteworthy that a method has been devised for testing small infants, with regard to whom it is rather important to have information. FRIDERICHSEN and EDMUND[2] have used a method whereby they determine the smallest intensity of light that will produce reflex movements of face and eyes when the infant is adapted to complete darkness. Here the measure of vitamin-A deficiency will be the lowered irritability of the infant to light but actually the defect measured will be the same as by the other technique. The results of surveys by such methods mostly agree in showing a surprisingly large amount of subnormality when children of the poorer classes are examined, and these results carry the more conviction because when these children are treated with vitamin A their power of dark-adaptation returns to normal, and because when groups of better-off children in better-fed schools are examined, much less, if any, subnormality is found.

Here then is a definite failure of a physiological function which appears to be widespread and which is due to lack of a single dietary constituent, vitamin A—or, if we prefer to put it so, to lack of dairy products and green vegetables. Does it matter? The physiologist will be quite sure that it matters; the layman may need to be convinced. The severe manifestations of vitamin-A deficiency are xerophthalmia and epithelial keratinisation leading to increased liability to infection through the damaged epithelium; but these are degrees too severe to be considered in this connexion. The less severe degrees are lowered dark-adaptation, stunting of growth, phrynoderma (toad-skin), and damage to nerves, showing itself by incoördination of movement. It is possible that nerves are more readily affected by toxins when vitamin A is insufficient than when it is abundant. Stunting of growth is one of the most striking effects of vitamin-A deficiency, and the lower average height of the working classes may well be due to this cause. Phrynoderma is an interesting skin manifestation of A-deficiency described by NICHOLLS[3] in Ceylon and LOEWENTHAL[4] in East Africa. It is uncertain whether it appears before night-blindness—if it does, dark-skinned natives must differ in this from Europeans—but a survey for phrynoderma in schools in parts of India and Ceylon[5] suggests a state of vitamin-A insufficiency as widespread as is likely to be found in Great Britain.

Attempts to assess the state of vitamin-A nutrition of the population by evaluating the vitamin-A content of the liver with the antimony chloride test yielded results that were interesting but disappointing in so far as the object was to secure a general picture. That is hardly to be wondered at, for even in this age of road casualties available post-mortem material cannot be relied on to reflect the composition of the population. Assiduous application of the measurement of dark-adaptation, on the other hand, might be made to provide the clear and faithful picture that is required.

[1] Edmund, C., and Clemmesen, Sv., *Acta med. scand.* 1936, **89**, 69.

[2] Friderichsen, C., and Edmund, C., *Hospitalstidende*, 1936, **79**, 1081, 1253.

[3] Nicholls, L., *Ind. med. Gaz.* 1933, **68**, 681.

[4] Loewenthal, L. J. A., *Arch. Derm. Syph., N.Y.* 1933, **28**, 700.

[5] Nicholls, L., *Ind. med. Gaz.* 1935, **70**, 14.

## SENSE AND SENSITIVITY

THE word allergy has become an acute irritant to many physicians and pathologists, especially those who have to teach students to think clearly and not to confuse names with knowledge. It is perhaps for this reason that a review of two works on allergy has swollen to the size of a leader. Dr. LOUIS TUFT's book on Clinical Allergy,[1] which is designed to meet the needs of the general practitioner and possibly at the same time to be of value to the medical student and to those beginning special study of allergy, is on orthodox lines and contains most of the material that is familiar to workers in this field. It is less discursive and less unbalanced than most of its predecessors and within its limits it is an able and readable presentation of the subject. We are spared the detailed enumeration of the allergenic flora and fauna of the U.S.A. which makes some books on allergy resemble a cross between a horticultural catalogue and an inventory. The first section deals with terminology, anaphylaxis in animals, allergy in man, methods of diagnosis, and principles of treatment. In the second section allergy is divided into clinical types, which are classified under the headings of serum, drug, food, pollen, bacterial and physical allergy. It seems illogical to give a particular place to pollen rather than to inhalants in general, more especially when subsequent chapters are devoted to allergic rhinitis and hay-fever. The problems of drug allergy and idiosyncrasy are oversimplified and it is doubtful whether these reactions are as closely akin to foreign protein reactions as the author suggests. On page 156 agranulocytosis is attributed to acquired allergy to barbiturates though on other pages it is more correctly attributed to amidopyrine. The third and fourth sections of the book deal with individual allergic disorders, including a full account of the allergic dermatoses. There is a useful appendix of laboratory procedures, diets, and exercises.

Dr. A. H. ROWE's book on Clinical Allergy[2] has the subtitle "due to foods, inhalants, contactants, fungi, bacteria and other causes." It has developed out of his former monograph on food allergy and the emphasis is on sensitisation to common foods as a frequent cause of ill health. Dr. ROWE believes that all people are prone to allergic disturbances, especially minor and subclinical ones, and that protein sensitivity should be considered as a possible cause of symptoms as diverse as a depressive psychosis, a renal colic, or a choked disc. We are prepared to admit that the general physician does not consider allergy often enough or seriously enough in obscure syndromes, but when Dr. ROWE hints that the toxæmia of pregnancy, rheumatoid arthritis, thrombo-angiitis obliterans, and periarteritis nodosa are allergic diseases, he seems to have entered the primrose path which tempts the enthusiast. If the conception of allergy is widened too far, it will lose all meaning. The common symptoms of gastro-intestinal allergy, he says, are pain, nausea, distension and belching, constipation, toxic sensations, fatigue, and headache. Of patients with these symptoms 66 per cent. give a family history of allergy and over 40 per cent. a personal history of some other allergic manifestation. Dr. ROWE believes that migraine also is allergic in origin, but it would appear from his data that a family history of allergy (other than the migraine group of symptoms), a personal history of other allergic disorders and positive skin reactions are no commoner in patients with migraine than in the general population. Most neurologists feel that protein sensitivity is no more (and no less) important a factor in migraine than a number of other causes such as nervous strain and visual defect, and that it would be unscientific to regard migraine simply as an allergic disease. Individual cases of food allergy, including migraine, ROWE investigates mainly by diet trial, diet diaries, and the study of the history of food dislikes and disagreements. The benefit sometimes obtained from nature cures by fasting or by a diet of fruit juice is explained as due to avoidance of exposure to foods to which the individual is sensitive and of course such results can be much better secured by a scientifically planned elimination diet. Dr. ROWE has made a big personal contribution to the study of allergy and this book reflects his great clinical experience and his wide reading. His own statements are usually critical and measured but he quotes with apparent approval a good deal of wild speculation. "Repeated allergic reactions might lead to ptosis due to loss of muscle tone, and disturbed peristalsis which might produce malnutrition . . . Repeated reactions in the serous membranes might produce changes leading to the formation of adhesions or membranes. Repeated allergy in the appendix or gall-bladder probably leads to secondary infections in such organs . . . Chronic irritations from allergenic foods might produce cancer."

If one voices a feeling of disagreement or even disapprobation, it is not so much with these two books in particular as with the attitude of the allergic school in general. Clinical allergy, under which heading are included asthma, eczema, migraine, and—more tentatively—colon spasm, is discussed almost entirely on immunological lines. Non-specific causes, which cannot be expressed in terms of a solution containing so many milligrammes of nitrogen per cent., are dismissed in an absent-minded way which makes the outsider gasp. This is especially surprising in view of the recognition of physical allergy, "the word allergy being used here merely to indicate altered reactivity, without implying any basic immunologic mechanism." Both books contain over 700 pages and Dr. TUFT

[1] Clinical Allergy. By Louis Tuft, M.D., Chief of Clinic of Allergy and Applied Immunology, Temple University Hospital; Associate in Immunology, Temple University School of Medicine; Director of Laboratories, Pennsylvania Department of Health, Philadelphia. London: W. B. Saunders Co. 1937. Pp. 711. 36s.

[2] Clinical Allergy. By Albert H. Rowe, M.S., M.D., Lecturer in Medicine in the University of California Medical School, San Francisco, California; Chief of the Clinic for Allergic Diseases of the Alameda County Health Center, Oakland, California; President of the Association for the Study of Allergy, 1927–28. London: Baillière, Tindall and Cox. 1937. Pp. 812. 37s. 6d.

actually devotes four pages to laboratory instruction in the active and passive sensitisation of animals, but in neither is there an adequate discussion of the biochemistry of allergy or any conception that biochemistry means more than the analysis of urine or blood. The application of the adrenaline-ephedrine group of drugs to asthma and of ergotamine to migraine has relieved at least as much suffering as has the discovery of allergens, but we look in vain for an analysis of their mode of action in terms of modern pharmacology and neurology. Finally, the allergist seems blind to the importance of psychological factors in disease in general or in allergy in particular. A breath of criticism would blow away much of the airy structure of food allergy, buttressed as it is by the insubstantial pillars of the leucopenic index and the elimination diet. For this reason we would recommend the general practitioner, the medical student, and the beginner in the field of allergy to read Dr. T. A. Ross's book on The Common Neuroses (London, 1937) before reading a text-book of allergy, when they will learn that the altered reactivity which many patients show not only to foods but also to other elements in their environment can often be much more simply explained and cured by mental processes than by invoking an immunological mechanism. It would be disastrous if inquiry into common dyspeptic symptoms were stultified by including them under the heading of food allergy or if neuroses were consolidated and perpetuated by the suggestive methods of the questionnaire and the elimination diet.

## MALARIA SINCE THE WAR

As the title of his presidential address to the Royal Society of Tropical Medicine and Hygiene on Oct. 21st, Colonel S. P. JAMES, F.R.S., chose Advances in Knowledge of Malaria since the War. He pointed out that the failure of energetic preventive work during the late war left in malaria-workers a salutary humility and a determination that the collection of the knowledge that was so evidently lacking must be an international affair. The malaria commission of the League of Nations, consisting of members from many countries, accordingly undertook collective study tours to ascertain and compare the conditions existing in different countries, and its discussions have for the first time brought together malariologists of different schools of thought and practice—even resulting on occasion in unanimous advice. For the last fifteen years this commission has been financed by the international health division of the Rockefeller Foundation, while for twenty-one years the Foundation has maintained in Europe alone what are in effect 39 research stations. Our own Ministry of Health set up a malaria research laboratory at the Horton Mental Hospital at Epsom in 1925—an example followed by other countries—and has put aside £30,000 annually for therapeutic research; while the Royal Society and the Medical Research Council have been active on somewhat similar lines.

In the period under review the dissatisfaction to which we have referred has had the important effect of leading to better ways of investigation, notably to a focusing of attention on the individual man and beast. It has been found in this way that malaria is a disease of particular families and of the kind of houses in which they live, these last being of a sort to bring into close and continuous association, through the agency of the mosquito, the infective and the non-immune person. It has also been found that adult anopheles indistinguishable morphologically have different habits and so a different importance in the actual spread of the disease; and that within the same species of plasmodium there are varieties with morphological differences, and within the same variety biologically different strains. The question has been raised, too, whether besides the well-known schizogonic cycle of plasmodia in red corpuscles, there may not be a second cycle in reticulo-endothelial cells. The line of reasoning is somewhat as follows. Quinine, so effective in breaking the cycle in the blood, does not prevent infection; when appropriate sporozoits are injected into a man or bird by syringe or mosquito there follows a period of two to three days during which injection of even large amounts of blood from this into another favourable host does not carry on the infection, but in the case of the bird that infection may be transmitted by inoculating small portions of spleen, liver, or brain. Some avian plasmodia do have two schizogonic cycles, one in circulating red cells and one in reticulo-endothelial cells; and though it has not yet been proved that these last are stages of development of sporozoits injected by mosquitoes and taken out of the blood by reticulo-endothelial cells, no other good explanation has been offered. That there is such a cycle in man there is no evidence, but it is at least important to look for some drug which would check that cycle in the bird and, if the search is successful, to try it as a true preventive of infection and relapse in man.

In field-work an urgent matter is an arrangement to ensure that a permanent organisation, part of a central health department of the countries themselves, shall take over the present temporary centres when these have done enough of their work of demonstration. For continued success poverty and apathy must give place to a wish on the part of the people concerned for betterment in wealth and health. India is a country in which much has been done in this respect, while in Natal and Zululand the hunting instinct and the happy watching of the deadly work of an insecticidal spray have led to enthusiastic mosquito drives in the house. Such beginnings may well go on to a better general hygienic outlook and service, though it may mean at first the dropping of anopheles "species hygiene." In treatment the malaria commission of the League has consistently had two aims in view—the first, a remedy as cheap as possible with the intention that it shall be available for all (here totaquina or cinchona febrifuge at present fills the purpose best); the second, something for particular use with expense a secondary consideration, such as Plasmoquine,

employed with good effect in the British Army in India for the lessening of relapses.

In this almost exhaustive address there was one notable omission. It gave no real indication of the degree to which these great advances have been due to Colonel JAMES himself.

## BICENTENARY AND MERGER

ON Friday of last week more than 300 people sat down in the Victoria Rooms at Bristol to celebrate the foundation of the Bristol Royal Infirmary, one of the first—if not the very first—of the voluntary hospitals to be founded outside London. In so doing they were following precedent inasmuch as it was a dinner held in the Nagg's Head tavern in Wine-street that concluded the opening of the wards of the infirmary on Dec. 13th, 1737. Actually the out-patient department had been opened without ceremony in the previous June. The difference in manners over the intervening 200 years was evident in two circumstances: dinner was then served at 3 P.M.; after a few years its annual repetition ceased, "because, Sir, people did not choose to have their heads broke," to quote an early member of the surgical staff. Last week's gathering was a dignified affair attended by representatives of the State, the Church, and the Law, as well as by the local medical profession who were supported by delegates from seven other voluntary hospitals as far afield as Birmingham, Cardiff, Leeds, Liverpool, Sheffield, and London. But the most significant guests were the chairmen of the General Hospital and of the Royal Infirmary itself, sitting on either side of the Lord Mayor, because only last March the governing bodies of these two institutions decided to amalgamate them, with central management and to pool all funds. Committees are in fact engaged upon formulating a scheme to this effect and the bicentenary marks the close of over 100 years of unprofitable rivalry. What the union may bring forth was indicated by the present senior surgeon to the infirmary, who said that the two hospitals working together could provide first-class team service in every branch of medicine and surgery. Our vision and ideal, he said, is that there shall be one medical centre and one medical service serving alike the voluntary hospitals and the municipal hospitals. It may take some time, he added, to bring it about, but that is the ideal.

# ANNOTATIONS

## EFFECT OF FLIGHT ON THE MIDDLE EAR

THE public now make so much use of aerial transport that illnesses caused by flying are no longer purely occupational, affecting only professional pilots, but are also of general interest and importance. The principal physical effects of aviation are produced by rapid changes of atmospheric pressure during ascent and descent, and are chiefly manifested in the ears. The tympanum is an air-containing cavity with only one flexible wall, the membrana tympani, and is in effect an aneroid barometer which is very sensitive to any difference of pressure between the air within it and the surrounding medium. The pressure differences are equalised by air passing in or out of the tympanum through the Eustachian tube, which is normally closed, but which is opened by swallowing, yawning, or blowing the nose. Armstrong and Heim [1] have lately carried out a series of laboratory investigations to elucidate the action of the Eustachian tube under variations of atmospheric pressure. The experiments were made on five healthy men at pressures corresponding to a range of 0–40,000 ft. of altitude at rates of 200–1000 ft. per minute. The results were briefly that a slight sensation of fullness in the ears was experienced, accompanied by a little bulging of the tympanic membranes, with a fall of pressure corresponding to an altitude of 110–180 ft.; and this sensation and bulging increased with decreasing pressure until, at a negative pressure of 15 mm. of mercury (500 ft.), a sudden annoying click was felt in the ear, the drum snapped back to normal or almost normal position, and the sensation of fullness disappeared. The Eustachian tube had been forced open by the excess pressure in the tympanum and this pressure was relieved by a rush of air from the tympanic cavity into the nasopharynx. This cycle was repeated during further decrease of pressure except that all succeeding clicks occurred at intervals of 11·4 mm. pressure, indicating that the tube closes while there is still 3·6 mm. of excess pressure in the tympanum. At high altitudes less pressure is required to open the tubes—probably because the air, being less dense, passes through them more readily. These are average figures, for actually there were considerable variations between individuals. When the external atmospheric pressure was raised instead of being lowered a totally different result was obtained. The Eustachian tube acted like a valve and remained closed under all degrees of pressure until, under sufficient pressure, the drum is ruptured. If, however, the Eustachian tube is opened by voluntary effort, such as swallowing, the pressure is immediately equalised except that, if the external pressure is 80–90 mm. or more above the internal pressure, it becomes impossible for the Eustachian muscles to overcome the negative intratympanic pressure which holds the fibro-cartilaginous portion of the tube tightly collapsed.

To the injury to the drum, that may result from these pressure changes, Armstrong and Heim give the name "aero-otitis media." During ascent the recurring sensation of fullness, relieved by the annoying click, does no harm as long as the tubes are patent; but if there is stenosis, increased pressure is required to force it open and damage may be caused. Descent is more dangerous because the pressure is never relieved through its own force but only by voluntary effort. Since the average person swallows every 60 or 75 seconds, a rate of descent of 1000 ft. a minute will cause only moderate discomfort if the tube is healthy; but a rate above 4000 ft. a minute may catch a flier unaware and create a tympanic vacuum impossible to relieve. Failure to open the tube voluntarily may be due to lack of patency, but may also be caused by ignorance of the necessity or by carelessness, or by being asleep or unconscious, as

[1] Armstrong, H. G., and Heim, J. W., *J. Amer. med. Ass.* August 7th, 1937, p. 417.

may happen with a patient in an ambulance plane. At about 60 mm. of negative tympanic pressure, pain in the ear is severe, and is accompanied by tinnitus and usually vertigo and nausea; the pain increases with increasing pressure and the drum ruptures when this reaches between 100 and 500 mm. This is a dramatic episode in which the patient feels as though hit on the side of the head; there is a loud explosive report, a sharp piercing pain, vertigo and nausea, and often generalised shock. Ruptures are usually linear and quite extensive; the inner tympanic wall is red and swollen. Short of rupture the appearance of the drum varies with the degree of trauma; it shows bulging or retraction according to whether the pressure is positive or negative, and a varying degree of hyperæmia indistinguishable from that of an acute infectious otitis.

If actually ruptured the drum must of course be left alone. Otherwise the most important part of the treatment is inflation to open the Eustachian tubes and the application of heat; Armstrong and Heim recommend the instillation of copious quantities of water at 110° to 115° F. followed by dry heat; they do not mention vertigo as a result of this treatment. In chronic "aero-otitis," which may develop in those who fly often, stenosis of the tubes should be looked for and treated, and chronic infections of the upper air-passages corrected.

## SAMUEL GEE

Sir Humphry Rolleston has written[1] a vivid sketch of Samuel Jones Gee and his friends, to which it is difficult to add anything of value. Yet to one who was many years ago a pupil of Gee the presentment hardly seems to do full justice to that remarkable man. Sir Humphry tells us of his clinical teaching, of the crowds which came to listen to him, of his scrupulous accuracy of speech, and his clearness and logic of demonstration, but with all this the human being scarcely takes shape in our perceptions. He tells us that Gee was not a good "mixer"; and that is no doubt the reason why with all his knowledge and reputation he has remained, as he was in life, so in story a somewhat dim and shadowy personality. Sir Humphry says that he came of parents "somewhat puritanical"; and the outward man reminded one exactly of the traditional aspect of that sect. Formal in dress, brief and sententious in speech, using language as precise as he knew how to make it, and deliberating carefully on the form of expression; slow to show any trace of enthusiasm or excitement, but capable of devastating comment when once aroused. But there was more: he had a keen sense of humour and, though Sir Humphry says on good authority that he rarely laughed, the inward enjoyment of his own or of others' humour was easy to detect in the lighting up of the eyes and the momentary relaxation of the set facial muscles. Another marked characteristic was his abhorrence of unpunctuality; himself punctual to the minute, the least delay beyond the appointed time would cause him to fret, and no doubt to utter silent imprecations on the culprit, though he rarely allowed himself to betray his vexation in speech. His teaching was a model of excellence in that he always made the attempt to induce his pupil to use his logical faculties; whether this attempt failed or succeeded the summing up was always logical and often couched in terse and dogmatic utterances which left a strong and lasting impress on the minds of his hearers. He himself would often refuse to make a diagnosis and would merely emphasise the salient features of a difficult case, leaving it to time to make the problem simpler; he would not prejudice his own mind or that of others by a premature opinion. It was sometimes difficult to get him in the least interested in questions of treatment; he gave the impression of scepticism; and he was averse from anything which could be called heroic. He would listen politely to the details of the efforts made by his house physician to relieve some dying patient and then move to the next bed with the quiet murmur "Vex not his ghost: Oh! let him pass." Sir Humphry says that he was at one time greatly attracted toward the philosophy of the Stoics, and he seemed to have imbibed some of the outstanding characters of that doctrine; his "even-balanced soul. . . . Business could not make dull nor passion wild; who saw life steadily and saw it whole."

[1] *Ann. intern. Med.* 1937, **11**, 387.

## VITAMIN C AND GASTRO-DUODENAL ULCERATION

THE wounds of patients with scurvy heal badly and Lanman and Ingalls[1] have shown that the same is true in guinea-pigs supplied with approximately one-fifth of the minimum preventive dose of ascorbic acid. The histological basis of this phenomenon has been demonstrated to lie in the inability of the supporting tissues to produce and maintain intercellular substance (Wolbach and Howe).[2] Archer and Graham[3] have commented on the frequent lack of healthy reaction at the suture-line in patients who have undergone operations for gastric disease, and they have correlated this with the deficient saturation of the body with vitamin C that can be demonstrated by examining, before and after test doses of vitamin C, the urine of patients who have suffered for any length of time from gastro-duodenal ulceration. The attention of Ingalls and Warren[4] was attracted to the same problem by the case of a labourer of 54 with carcinoma of the stomach, who had taken a diet composed solely of milk, cream, and eggs for over six months, and in whom the abdominal wound and the duodenal and jejunal suture-lines broke down a few days after operation. They have estimated the amount of vitamin C in the plasma in twenty patients with peptic ulcer, and they find that whereas the normal range is 0·5 to 2·0 mg. per 100 c.cm., eighteen of the twenty ulcer patients (or 90 per cent.) had less than the normal amount of vitamin C in the blood, the average being 0·19 mg. The paper by Ingalls and Warren appears under the title "asymptomatic scurvy," and the writer of an annotation in the same journal under the same title remarks: "Clearly asymptomatic disease should be diagnosed only on the basis of accurate evidence, if such early recognition of disease is to be a boon and not a burden to the public. Fortunately the determination by which asymptomatic scurvy may be diagnosed is a relatively simple one and should be widely used."

It will be generally agreed that no patient whose urine or plasma contains a subnormal amount of vitamin C should be submitted to operation for chronic disease until the deficiency has been corrected. Nevertheless the evidence at present hardly justifies the conclusions that gastric patients are suffering from subclinical scurvy, that this is why their wounds heal badly, and that all will be well if they are

[1] Lanman, T. H., and Ingalls, T. H., *Ann. Surg.* 1937, **105**, 616.
[2] Wolbach, S. B., and Howe, P. R., *Arch. Path.* 1926, **1**, 1.
[3] Archer, H. E., and Graham, G., *Lancet*, 1936, **2**, 364.
[4] Ingalls, T. H., and Warren, H. A., *New Engl. J. Med.* 1937, **217**, 443.

liberally supplied with vitamin C. After all, patients with little chloride in their urine are not necessarily suffering from chloride starvation nor have patients with a high blood uric acid necessarily got gout. We have not enough experience to judge the significance of the vitamin-C content of the plasma, but as far as the urine is concerned we can say that a large proportion of the hospital population in this country must be described as suffering from asymptomatic or subclinical scurvy, if we rely on chemical methods of diagnosis.[5 6] Doubtless they are, and they should all eat more fruit; but can so common a condition be entirely responsible for the peculiar frequency of wound breakdown after operations on the stomach or duodenum? The pathognomonic feature of clinical scurvy is the hæmorrhagic tendency, and Göthlin [7] has recently made a plea for more frequent estimations of the capillary fragility in vitamin-C subnutrition. He suggests that the border value of ascorbic acid in the blood which corresponds to the borderline between normal and subnormal strength of the capillaries must be below 0·14 mg. per 100 c.cm. and of the order of magnitude of about 0·10 mg. He points out that even though values below 0·5 mg. are unusual, this is no proof that they are inadequate, and it is the human organism itself that will show when the supply of a requisite substance is insufficient. If a person has capillaries of normal strength his indispensable requirements of ascorbic acid are satisfied, and this obtains with a plasma concentration of ascorbic acid (0·14 mg. per 100 c.cm.) that is less than the average found in Ingalls and Warren's twenty patients with peptic ulceration (0·19 mg.). There is therefore need for more data, and more correlation of symptoms with capillary fragility and the results of analysis, before we can be satisfied that the diagnosis of scurvy can be made on chemical grounds alone; nor must it be forgotten that vitamin C is not the only element in the diet which is concerned with hæmostasis—as Witts [8] has lately pointed out. The success attributed to the histidine treatment for peptic ulcer (which can probably be defined as treatment by unrestricted diet) and the Meulengracht method of early liberal feeding in gastro-duodenal hæmorrhage suggests that patients with peptic ulcer are usually submitted to excessive restrictions of diet and it is doubtful whether the deficiencies can be made good merely by supplying large amounts of vitamin C.

## THE ROOT OF THE OPIUM TRAFFIC

THE newspapers have lately been talking about the alarming extent of the illicit production and use of narcotic drugs, more especially in the Far East. The Fifth Committee of the League of Nations, in its last report to the Assembly of the League, concentrated its attention on this problem of clandestine manufacture and trade, and also on the limitation of the cultivation of the opium poppy and the production of raw opium. Readers of THE LANCET have been kept informed of the peril arising especially in those parts of China that have passed under Japanese jurisdiction and the spread of manufactured drugs therefrom to North America, Canada, Eygpt, and parts of Europe. For years past we have advocated the need for limitation of the production of the raw materials of these narcotics as fundamental to any effective progress in international control. It is accordingly gratifying to read that "the Fifth Committee emphasised the need for limiting the production of raw material, and pointed out that without such limitation international control of the drug traffic must be incomplete. If there is an extensive production of raw material the surplus inevitably feeds the illicit traffic, and all countries alike are liable to be invaded by this traffic." Preparation is accordingly being pressed forward for a new conference to draw up a convention to limit the cultivation of the opium poppy and the production of raw opium, since this "will greatly facilitate the suppression of clandestine manufacture and illicit traffic by striking at the root of the evil." Meanwhile it was reported, with regret, that although the Convention of 1936 for the repression of illicit traffic had been signed by 32 States it had been ratified only by the Government of India. An analytical study of the annual reports made to the League of Nations by the governments which are parties to the several conventions on opium and dangerous drugs supplies much valuable information. The Chinese Government complains that the foreign concessions present the greatest obstacle to administration in compliance with the conventions, being used as shelters for manufacturers and traffickers in drugs. The Government of Hong-Kong estimates that there are 2000 to 3000 opium divans there with an estimated annual illicit consumption of 50,000 kg.; some 10 per cent. of the Chinese male population are alleged to be opium smokers. The area under the poppy in British India has now been reduced to 3346 hectares; this, however, is exclusive of the Indian States. On the other hand the area under the poppy in Japan and Korea shows considerable increase. State monopolies in opium exist in India, Iran, Japan, Korea, and the Union of Soviet Socialist Republics. The chief opium-growing countries are Afghanistan, Bulgaria, China, India, Japan, Korea, Turkey, the U.S.S.R., and Yugoslavia.

The participation of sovereign States in the three principal opium conventions of 1912, 1925, and 1931 is reported as follows: 45 States are parties to all three, 17 to two, 6 to one only, and 3 to none.

## THE SOUTH AUSTRALIAN INFANT

SEEN from Europe, and judging by their death-rates and longevity, the 589,000 inhabitants of the State of South Australia seem to enjoy remarkably good health.[1] The strange thing is that they evidently do not intend to produce many offspring to inherit it. They have the lowest death-rate in the Commonwealth (a standardised rate of less than 8 per 1000), an expectation of life at birth of 65 years, and in 1936 the lowest infant mortality-rate in the world (31 deaths per 1000 live births). But their birth-rate, consistently the lowest of the Australian States, was only 15 per 1000. Taking as a more efficient measure of fertility the ratio of births to the number of females aged 15–49, we find that whereas in 1915 there were 100 infants born to each 1000 women, in 1935 the figure was 53. In 1915 117,409 women of child-bearing ages produced nearly 12,000 children; in 1935 it took 156,940 women to produce only a few more than 8000. The result is that at the census of 1933 there were 8762 less children under five years of age than there were at the census taken twelve years earlier, and in the latest year the total population has increased by less than 3000. It is an odd position for a young country, and a discouraging

[5] Harris, L. J., Abbasy, M. A., Yudkin, J., and Kelly, S., *Lancet*, 1936, **1**, 1488.
[6] Dyke, S. C., *Brit. med. J.* 1937, **2**, 692.
[7] Göthlin, G. F., *Lancet*, Sept. 18th, 1937, p. 703.
[8] Witts, L. J., *Brit. med. J.* 1937, **2**, 689.

[1] Statistical Register of the State of South Australia, 1936–37. Part II. Population and Vital. Adelaide, 1937.

outlook. The low fertility, but not the low mortality, may be partly explained by the fact that rather more than half the population lives in and around Adelaide, that only a quarter are engaged in agriculture, that nearly a quarter of the wage-earning group were unemployed at the census of 1933, and nearly 60 per cent. of the male breadwinners had to live on an income of less than £2 per week. With such astonishingly low figures for infant mortality it is interesting to consider how far this rate may eventually fall—whether there is some irreducible minimum below which it will not be possible to go, or, perhaps, profitable to attempt to go. In South Australia the rate has declined from 92 deaths per 1000 live births in 1900–04 to 38 in 1930–34, 35 in 1935, and 31 in 1936. Even in the metropolitan area the latest rate is only 35. Division of the first year into component parts gives the usual result. At 2–12 months of age the rate has fallen from 32 per 1000 in 1915–19 (the earliest years for which the division is possible) to 10·7 in 1935–36, or roughly by two-thirds. At ages under one month the corresponding figures are 30 and 22, a fall of about a quarter; under one week 22 and 18, a fall of 18 per cent., and under one day 10·9 and 8·7, a fall of 20 per cent. It is the neonatal rate that is specially recalcitrant, but even at this stage of life improvement is clearly possible and is in fact taking place. In the latest years a third of the total mortality under one year of age was attributed to premature birth, 15 per cent. to malformations, about 8 or 9 per cent. each to congenital debility and injury at birth, 10 per cent. to pneumonia, and only 3–5 per cent. to diarrhœa and enteritis. These figures show the direction that efforts for the further saving of infant life must take, and suggest that quite a considerable reduction of the world's record is still possible.

## BLOOD CHANGES AFTER EXTENSIVE BURNS

Prof. André Simonart[1] has made an exhaustive study of the cause of death of rabbits burned—or rather scalded—in hot water while under general anæsthesia. Some died at once, the cause of death being acute circulatory failure due to extreme vasodilatation and failure of the normal mechanism for restoring the volume of the blood. Many died within 24 hours of the burn, and post-mortem examination showed deep congestion of their tissues, especially of the stomach and duodenum, with numerous small hæmorrhages in the stomach, and the presence of free hæmoglobin in the urine and plasma. Those dying after the first 24 hours had no hæmoglobinuria but an excessive production of bile by the liver. Investigation of the blood demonstrated that immediately after a burn fluid is lost from the dilated capillaries, the consequence of this being concentration of the hæmoglobin and plasma protein. Within 15 minutes, however, the plasma-protein concentration has fallen, and it continues to fall, whereas the hæmoglobin goes on rising. The lost protein is found in the œdema fluid, which has the same concentration of protein as the plasma. If blood dilution now takes place the concentration of hæmoglobin may be less than before the burn, even though the blood volume (as estimated by the carbon monoxide method) is still below normal. This shows that blood-cells have actually been destroyed and Simonart attributes their destruction to thermal damage to the red cells at the site of the burn, those that are not destroyed at once being sufficiently damaged to be broken up before their time. Since calculation suggests that the total circulating plasma protein is reduced to less than half the normal, and there is a simultaneous loss of red cells, he believes that the rational treatment for severe burns is tanning to prevent further losses from the blood and small repeated blood transfusions to replace what is already lost.

[1] *Bruz. méd.* July 25th, 1937, p. 1402.

## FORTY YEARS ON

At a luncheon given on Oct. 22nd in honour of the fortieth birthday of King Edward's Hospital Fund the Lord Mayor quoted Charles Dickens's choice of "supported by voluntary contributions" as the finest sentence in the English language. On this authority the rhetorical efforts of the Fund must be rated high, for it distributes some £300,000 annually to 200 hospitals and convalescent homes—which means it gives about ten times as much money to twice as many hospitals as when it began. In times of crisis it has with wise discretion made special distributions, and it has always been ready to give practical counsel, based on a wide and varied experience, when problems of administration and development have arisen. The inauguration of the Hospital Saving Association, of the Pension Scheme for Nurses, and the establishment of the Voluntary Hospitals Committee for the county of London are examples of this side of the Fund's work. The Duke of Kent, who is in his first year of office as president, replying to the Lord Mayor's toast, read a message from the King which spoke of the keen interest displayed in the Fund by King Edward VII and King George V, and of the magnificent support given to it by their contemporaries. As a representative of a younger generation His Majesty hoped this fine example would be followed. The Duke of Kent reminded his hearers of the work of the late Lord Somerleyton, who was an original member of the Fund, and of that of Sir Cooper Perry and Sir Frederick Fry, who had joined it in its second year; Mr. H. R. Maynard had been secretary for 31 years. The Fund thus has a proud record of service and all who know its work will congratulate it on the past and wish it well for the future.

## DEMONSTRATION OF TUBERCLE BACILLI IN ADULTS BY GASTRIC LAVAGE

As early as 1898 Meunier showed how tubercle bacilli could be found by gastric lavage, but only during the last few years has the remarkable value of this procedure been appreciated by those who have rediscovered it. Among them may be mentioned Dr. Gullbring and Dr. Levin[1] attached to a tuberculosis hospital serving Stockholm. Between 1932 and 1936 they subjected 461 patients to this test, which was carried out on an empty stomach with 100–200 c.cm. of sterile, tepid water. The material obtained by the lavage was stained (Ziehl-Neelsen) as well as being tested by both culture and guinea-pig inoculation. The guinea-pig test proved far superior to the culture test which was very seldom positive by itself. Yet the culture was of value because it was cheap, simple, and confirmatory of the other tests, and also because it gave a clue to the type, human or bovine, to which the organisms belonged. A single negative lavage test being unreliable as proof of the absence of tubercle bacilli, it was found desirable to carry out this test on three successive days and, instead of submitting each day's material to the guinea-pig test, to collect the yield of the three successive days and inject the sediment of the total

[1] *Acta med. scand.* 1937, **93**, 168.

into one or two guinea-pigs. Among the 461 patients thus examined were 348 tuberculous patients who had been passed as sputum-negative, either because they yielded no sputum or because tubercle bacilli could not be found in their sputum by direct staining or by antiformin concentration. In no less than 192 of these, or 55 per cent., tubercle bacilli were demonstrable on gastric lavage. In almost every case in which there were cavities in the lung tubercle bacilli could be found in the stomach whether the patient coughed up sputum or not. In this connexion special interest attaches to the cases of so-called benign apical fibrosis. Hitherto these have been regarded as "closed" or healed because tubercle bacilli have not been found in the sputum, and both clinical and radiological evidence has indicated a benign lesion. Yet in 34 such cases Gullbring and Levin demonstrated tubercle bacilli on gastric lavage. They regard the method as most valuable in distinguishing between tuberculous and non-tuberculous pulmonary lesions, and in estimating the indications for, and the effects of, collapse therapy. It is also of substantial epidemiological value in the tracing of sources of infection. The authors' findings should also inhibit what must now be considered a too light-hearted issuing of certificates of freedom from infection, for gastric lavage has now shifted the line of demarcation between "open" and "closed" tuberculosis. It may be added that in Gullbring and Levin's opinion, negative findings after lavage on three successive days constitute a "reasonable probability" that the patient does not harbour tubercle bacilli. They are under the impression that greater importance attaches to a negative lavage in adults than in children.

## CARDIAC STIMULANTS UNDER REVIEW

THE reputations of some of the drugs used in cardiac disease are firmly established on clinical observation. The mechanism of their action has usually been investigated by animal experiment, but with increasing use of precise measurement of the circulatory and respiratory functions a clearer understanding of the way in which they act in man may now be expected. For example, Starr and his colleagues [1] describe a clinical study of the effect of ten such drugs on cardiac output, heart size and work, respiration and basal metabolism. A relatively small number of patients were tested with each drug, but the results of duplicate observations before and after the administration are treated statistically and not accepted as significant unless attaining a certain value. Cardiac output was estimated by the ethyl-iodide method and correlated with heart volume, which was calculated from the surface area. Myocardial efficiency, for a given amount of work done, varies inversely with the diastolic volume of the heart; in this investigation cardiac stimulation was therefore measured not by increase in work, but by an increase in the ratio "work per beat/diastolic volume." The studies on digitalis gave no unexpected results; in all cases of cardiac disease (free of congestion, it is stated, but evidently having early failure) the heart was stimulated, while in normal subjects after a transient increase there was a reduction in output. Adrenaline, and to a less degree ephedrine, caffeine, and Euphyllin, were found definitely to stimulate the heart and respiration; the mean blood pressure was not appreciably altered by any of them. Various other drugs were investigated, and the results call for little comment, except that strychnine in a dose of 1·8 mg. (about gr. 1/30) was found to have a mild vasoconstrictor effect but no cardiac or respiratory stimulant action was noted.

By a relatively new but laborious method of approach the authors of this paper have accumulated data of no small interest. The numerous estimations involved all have their errors, but by careful technique and the use of exacting criteria these seem to have been reduced to a minimum.

[1] Starr, I., Gamble, C. J., Margolies, A., Donal, J. S., Jr., Joseph, N., and Eagle, E., *J. clin. Invest.* September, 1937, p. 799.

## B.C.O.G.

THE British College of Obstetricians and Gynæcologists is only eight years old and many of its godparents were thus able to forgather at its seventh annual party at Claridge's last week in mutual congratulation on its fine growth and excellent prospects. Some recalled the gloomy forebodings expressed during the antenatal period; and it was perhaps pique at this reflection on professional skill that stimulated special efforts to ensure not only its safe birth but the warm welcome that is almost essential to the proper development of the young. It was whispered that hopes of a Royal Charter may shortly be realised; and in short the time has come when the College, which has now 200 fellows and 400 members, confers a status on those associated with it instead of benefiting from their patronage. Two of the guests at the dinner were Sir John Simon, Chancellor of the Exchequer, and Sir George Chrystal, principal secretary to the Ministry of Health, and both alluded in their brief speeches to the help given by the College to the State in framing the new Midwifery Act. The president, Sir Ewen Maclean, made graceful references to the work of the year; Mr. Eardley Holland complimented guests present and absent with easy impartiality, and Lord Horder found a pretty parable to carry him lightly over delicate ground. The decline in the birth-rate was held to account for the fact that no summons disturbed the diners; but anxiety for the national welfare was relieved soon afterwards when urgent messages began to break up a very pleasant party.

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WE regret to announce the death on Oct. 23rd of Dr. F. W. Burton-Fanning of Norwich in his 75th year. Dr. Burton-Fanning was a pioneer in the modern hygienic treatment of phthisis and was instrumental in founding the first sanatoriums in the eastern counties.

Dr. T. A. Goodfellow, who died at West Didsbury on Oct. 24th, was a governor of Manchester University and lecturer on medical ethics and conditions of practice. For many years he had been chairman of the local medical and panel committee. He was in his 73rd year.

Dr. E. A. Cockayne will deliver the Bradshaw lecture to the Royal College of Physicians of London on Thursday, Nov. 4th, at 5 P.M. He will speak on the genetics of transposition of the viscera.

IT has been proposed that the editors (including assistant editors) of medical journals published in this country should meet from time to time for the discussion of such matters as they may find of common interest: that is, in the technical rather than the traditionally "editorial" side of production. A dinner has been arranged for Saturday, Nov. 6th, at 7.45 for 8 P.M. at Claridge's Hotel, with a view to testing the feeling, and it is hoped that those editors who can do so will attend. The arrangements are being made by Mr. E. Watson-Williams, 65, Pembroke-road, Clifton, Bristol 8.

# POST-GRADUATE LECTURES

FOR the past three weeks we have published summaries of lectures delivered in the London teaching hospitals at the courses lately held for former students. The two that follow were given at the London Hospital (Dr. Wall) and at University College Hospital (Dr. Wesson).

## INCUBATION PERIOD OF PULMONARY TUBERCULOSIS

(DR. CECIL WALL)

I HAVE chosen this subject for my remarks this afternoon in the hope that a study of the premonitory symptoms may lead to earlier recognition of the disease and therefore to an improved chance of arrest.

Specific infectious diseases fall naturally into two clinical groups, one in which there is a general constitutional disturbance together with some local manifestation (measles and lobar pneumonia may be quoted as examples); the other in which the infection causes a local disease which may produce a secondary constitutional disturbance. Diphtheria and tetanus belong to this second category and so does pulmonary tuberculosis. We are accustomed to mark the end of the incubation period of an infectious disease when symptoms or signs herald the departure from good health. In pulmonary tuberculosis this period may be of very variable length before its termination is marked by the recognition of focal signs or symptoms or of symptoms which cannot be referred directly to the local disease. Such symptoms we assume to be due to the absorption into the blood stream of toxins produced at the site of infection.

Focal symptoms and signs attract attention quickly and for my present purpose need but a passing reference. Cough, expectoration, hæmoptysis, pleurisy, or spontaneous pneumothorax suggest at once the possibility of pulmonary disease. General symptoms, if they precede those of focal origin, may not arouse any such suspicion. My purpose to-day is to pass in review some of these symptoms.

Clues to their nature may be sought in two ways. When investigating the personal history of a patient suffering from pulmonary tuberculosis it is customary to ask the duration of symptoms before medical advice was sought: the patient naturally attaches chief importance to focal symptoms and often it is only by close questioning that the existence of antecedent general symptoms is established. The second way in which our problem may be elucidated is by the close study of those in whom pulmonary tuberculosis has been arrested, but from time to time experience threats of recrudescence. The warning symptoms in such patients vary with different individuals; they are not constantly focal in origin and general symptoms show much variation.

I am not able to offer you a logical classification of these general symptoms, nor even to estimate their relative degree of frequency; some are recognised readily, some frequently escape notice for a long period. I will, however, enumerate some of them and offer a running commentary.

*Recurrent "influenza."*—Perhaps the most frequent is the tendency to recurrent brief pyrexial attacks which get labelled "influenza." In my experience of the great epidemic of influenza in 1918 and in the subsequent less serious outbreaks I gained the impression that a non-fatal attack of influenza conferred a lasting immunity from that disease. The young and previously healthy were generally the victims and seldom, if ever, was it possible to elicit a history of an undoubted previous attack. On the other hand, it is extremely common for patients who are found to be tuberculous to state that they have had several attacks of so-called influenza which have subsided after resting for a day or two in bed. The influence of fatigue in promoting tuberculotoxæmia and of rest in checking it seems to offer the explanation of these attacks.

*Recurrent "rheumatism."*—Sometimes these attacks, if associated with joint pains, are assumed to be rheumatic; if the patient has not had rheumatic fever in the past and there is not any definite evidence of arthritis or endocarditis the possibility of their being due to tuberculotoxæmia should not be forgotten.

*D.A.H.*—During and after the war we became familiar with another symptom group of which in many cases the cause was not recognised until the disease in the lungs became obvious. The cases were diagnosed as D.A.H. and sent for investigation in the first instance to experts in cardiology, who had to transfer a large proportion of them to a chest hospital or sanatorium. Tachycardia is a common and troublesome symptom in active tuberculosis; it may precede other evidence of constitional disturbance and it may persist after all other symptoms have disappeared. Until the pulse-rate has returned to normal the prognosis of pulmonary tuberculosis must be guarded.

*Thyrotoxicosis.*—Disordered action of the heart is not now often considered as a sufficient diagnosis, but there seems to be a tendency to ascribe tachycardia too frequently to thyrotoxicosis without the careful elimination of other possible causes of which pulmonary tuberculosis is one. It is generally associated with dyspnœa on slight exertion of which the patient is likely to be more conscious than of the increased frequency of the pulse-rate.

*Early fatigue and nervous breakdown.*—Easily induced fatigue is another common early symptom; after a period of rest the patient's energy is good but after a short spell of work slackness ensues. Frequently the condition is assumed to be due to overwork, labelled a nervous breakdown, and treated by a rest cure. The treatment, of course, is correct and gives temporary relief, but too often the subsequent history shows that the underlying cause was pulmonary tuberculosis.

*Alcoholism.*—Fatigue symptoms are temporarily relieved by alcohol and if the patient is not warned about the danger of "Dutch courage" a harmful habit may be established. My experience in the out-patient department leads me to think that tuberculosis is more often the cause of alcoholism than is alcoholism of tuberculosis.

*Irritability* and *insomnia* of the nervous type, when the patient cannot get off to sleep but finds it hard to wake in the morning, are often associated with the fatigue symptoms of incipient tuberculosis.

*Digestive disturbance.*—I will now turn to a group of symptoms associated with the digestive functions. Loss of appetite as a fatigue symptoms is well known; it does not seem to be so commonly recognised that pain and vomiting may be so marked as to lead to the diagnosis of gastric or duodenal ulceration. It is not a very uncommon event for patients to be admitted to the London Hospital for gastric investi-

gation who are found to be suffering from pulmonary tuberculosis, and from time to time patients are admitted to a chest hospital shortly after an abdominal operation elsewhere in whom there is considerable doubt whether organic disease of the stomach had ever been present. The symptoms of dyspepsia in pulmonary tuberculosis are seldom quite typical of gastric or duodenal ulceration; the pain may occur after meals, but seldom at a regular interval after the meal or after every meal and there is no tendency to periodic remissions and relapses.

Gastric surgery has made great strides in recent years, but I think that the differential diagnosis between gastric ulceration and the dyspepsia of early phthisis is not always considered with sufficient care.

*Appendicitis.*—Similar criticism seems to be justifiable with regard to appendicectomy. My suspicion is aroused by the number of cases that I see in which pulmonary tuberculosis is found within a comparatively short period after the removal of the appendix. Of course, the association may have been purely accidental and the appendicitis of the variety requiring operation, or there may have been a double tuberculous infection of the lung and the appendix, but it is not unknown for the appendix removed by operation to appear normal at least to the naked eye. I cannot but think that occasionally the appendix has been found guilty of symptoms which more properly should be ascribed to the digestive disturbances of pulmonary tuberculosis.

* * *

By drawing your attention to these symptoms, one or more of which may lead to a suspicion of pulmonary disease before the development of focal symptoms or of physical signs, I hope to help you to its earlier recognition. The length of the incubation period—that is the interval between the infection and the invasion which can be recognised by symptoms or signs—is one of the great difficulties in the therapeutics of pulmonary tuberculosis. Some tell us that the only satisfactory method of detecting pulmonary tuberculosis in the earliest stage is by periodic radiographic examination. But this procedure does not appear to me to be economically possible on any large scale, nor do I think that if abnormal shadows were found in a radiogram that the person concerned would often consent to undergo a course of treatment if he were completely free from all symptoms of ill health. What we can do is to persuade our patients to seek advice when they are conscious of any departure from good health and then to make a thorough investigation, including radiography if any assistance by it can be expected. Most patients will be glad to be rid of symptoms of ill health even if they are not due to pulmonary tuberculosis.

## LOW BACK AND SCIATIC PAIN

(DR. ARTHUR WESSON)

TRUE sciatic neuritis, with objective sensory, motor, and reflex changes, does occur. It may have a well-recognised pathological basis, such as spinal cord tumour, or only a toxic or inflammatory cause. In the majority of cases of low back and sciatic pain, however, there are no other signs of neuritis, and the underlying condition has been obscurely referred to as a neuralgia, as fibrositis, or as perineuritis of the sciatic trunk or roots of the lumbosacral plexus.

Let us examine the cardinal signs of sciatica.

1. The *pain* most commonly affects the gluteal region, the posterior or lateral thigh region, or the posterior or lateral leg region; it is rarely found in the foot and almost never in the anteromedial aspect of the leg. A lesion of the sciatic nerve itself is insufficient to account for all these sites, and on a root basis, one must predicate a widespread lesion involving both posterior and anterior divisions of the lumbosacral plexus, but failing almost always to involve the anterior division of L4—i.e., the anteromedial aspect of the leg.

2. It is usually stated that *tenderness* is elicited by direct pressure on the sciatic trunk. When one considers the depth of this nerve and the thickness of the overlying muscles it is doubtful whether much reliance can be placed on this evidence. Frequently pressure on structures not directly over the sciatic nerve causes not only local tenderness but pain in the common sites previously mentioned.

3. *Nerve stretching.*—Straight leg-raising produces pain at different sites, most commonly in the lumbosacral area and in the calf. Before any tension can be produced on the sciatic nerve there must be a stretch of the hamstring muscles, which from their origin on the ischial tuberosity produces pelvic tilting and tension on the posterior sacral ligaments.

From this it seems clear that the accepted ætiology of sciatica is an inadequate explanation of its three cardinal signs.

If we now study the innervation of the lumbar and sacral articulations and their ligaments we find from recent dissections by Pheasant, of the University of California, that the articulations themselves are supplied by branches from the posterior divisions of the lumbosacral plexus but that the extra-articular ligaments are supplied by both posterior and anterior divisions of most of the lumbar and sacral nerves except the anterior division of L4. It is my contention therefore that the pain we are discussing is not the result of disease in any portion of the lumbosacral plexus but is either a local pain in the muscles or a referred pain from the articulations and extra-articular ligaments of the lumbosacral region.

Two fundamental pathological processes acting singly or together are involved in the production of this syndrome: (1) acute trauma to muscles, ligaments, or articulations, with the well-known signs of pain, heat, swelling, and muscle spasm; (2) muscle fatigue from prolonged misuse. This second process has not been sufficiently studied, and little is known of its exact pathology. It would appear that certain changes occur in muscles when the balance between antagonistic groups is persistently abnormal. Muscles hypertrophied from excessive use are often the site of fatigue pain. The antagonists are correspondingly weaker and subsequent mal-alignment of the underlying joint takes place. The converse is also true, that over a joint held persistently in an abnormal position there will be hypertrophy, shortening, and later permanent contracture on the concave side, with lengthening and weakness of the muscles on the convex side.

Applying these principles to the muscles in the region of the pelvis and lower back and their antagonists upon whose correct balance our upright posture depends (viz., erector spinæ, gluteus maximus, iliopsoas, and rectus abdominis) we find that in cases of low back and sciatic pain there is a marked muscle imbalance and abnormal alignment of the pelvis and lumbar spine resulting in an abnormal posture.

I propose now to demonstrate three common types of postural abnormality with the accompanying alteration in muscle balance:—

(*a*) Down-tilted pelvis, lordosis, kyphosis with depressed thorax.

(*b*) Down-tilted pelvis, lordosis, flat upper back with raised thorax.

(*c*) Normal pelvic angle, flat, rigid lumbar spine with secondary scoliosis.

The first type is found in the asthenic individual with poor muscle tone. The second is found chiefly in those who have been subjected to misguided attempts to correct their poor posture. Such advice has been in the nature of forced elevation of the thorax without correction of the lordosis and pelvic tilt. The third type is seen in those whose occupation throws great strain on the muscles of the lower back. The associated rigidity of the lumbar spine throws extra strain on the sacro-iliac joints and subluxations are common.

Clinical examination should comprise the following: (*a*) a careful history of the onset, and site of the pain; (*b*) an examination of the patient's posture with the aid of a plumb-line; (*c*) an examination of the relative power of the pelvic muscles; (*d*) an estimate of the degree of limitation of mobility in the spine from muscle spasm or contracture; and (*e*) a note as to the presence of scoliosis and the type of pelvic rotation. With this information it will be found possible as a rule to arrive at an accurate diagnosis of the nature and site of the pain.

I have said that there were two fundamental processes at work in the production of low back and sciatic pain. The first is an acute trauma of soft tissues or articulations accompanied by the characteristic features of traumatic inflammation, pain, muscular spasm, and deformity; the second is a chronic muscular imbalance giving rise to fatigue, contracture, and deformity. Our treatment must therefore aim first at realignment by reduction of deformity; and secondly at maintenance of correct alignment.

Means of securing *realignment* are:

(*a*) Rest and gravity—e.g., simple recumbency for the early case of backache due to lordosis.

(*b*) Heat to relax muscle spasm—e.g., hot baths; radiant heat; and high-frequency fields.

(*c*) Massage to overcome spasm—e.g., superficial stroking (Mennell); deep stroking; lateral tension; vibratory massage.

(*d*) Traction to overcome muscle spasm or contracture.

(*e*) Manipulation, especially where a subluxation is suspected by reason of the abruptness of the onset and the presence of fixed deformity.

*Stabilisation* depends upon the restoration of normal ligamentous tension and the subsequent development of a correct muscle balance. If there has been a definite ligamentous tear, it is obvious that the ordinary surgical principles of rest and support must be applied during the healing of the ligament. It is by re-education of muscles, however, that most can be done to prevent the recurrences so very common in these conditions. The aim of treatment is to strengthen the weaker groups by the prescription of exact exercises. Such active voluntary contraction will at the same time produce reciprocal relaxation in the stronger antagonists. If, however, there is much contracture of these muscles special stretching exercises must be given. Finally, prevention of occupational injury must be procured by teaching the patient different methods of carrying out his work, involving a more even distribution of the muscular effort. Exercises often useful include: (1) abdominal and gluteal exercises in the lying, sitting, and standing positions; (2) lower back exercises; (3) hamstring exercises; and (4) those designed to stretch the lower erector spinæ group.

Sometimes it will be found that not enough muscular power is available to respond to exercise to enable the correct alignment to be maintained. It becomes necessary in these cases to supply some mechanical support, which may take the form of a brace, corset, or plaster-of-Paris splint. In some of the more severe cases of sacro-iliac instability, fusion operations have been devised to give permanent stability.

# THE SERVICES

## ROYAL NAVAL MEDICAL SERVICE

Surg. Comdr. C. N. Ratcliffe to *Norfolk*.

Surg. Lt.-Comdrs. M. J. Brosnan to *Dryad* and for Portsmouth Dockyard; M. A. Graham-Yooll to *Rodney*; T. S. Osborne to *Pembroke* for R.N.B. and to *Shropshire* (on recommissioning); E. E. Malone to *Aurora*; R. M. P. Skinner to *Bee* as Asst. to R.N.O., Shanghai; E. W. Bingham to *Pembroke* for R.N. Hospital, Chatham; and A. Long to *Arethusa* (on commg.) and to *Despatch* (on transfer of flag).

Surg. Lt. F. M. Duthie to be Surg. Lt.-Comdr.

Surg. Lts. R. M. Kirkwood to *Drake* for R.N.B.; T. F. Davies to *Revenge*; E. D. Caldwell to *Victory* for R.M. Infirmary, Portsmouth; P. G. Stainton to *Pembroke* for R.N.B. and to *Shropshire* (on recommissioning); and S. G. French to *President* for course.

Surg. Lt. T. F. Miles transferred to Emergy. List.

Surg. Lts. (D) A. J. Staple to *Ramillies*; W. L. Mountain to *Pembroke* for R.M. Infirmary, Deal; and W. I. N. Forrest to *Birmingham*.

### ROYAL NAVAL VOLUNTEER RESERVE

Surg. Lts. J. C. Moor and R. D. Jenkins promoted to Surg. Lt.-Comdrs.

Proby. Surg. Lt. J. L. M. Wood to be Surg. Lt.

Surg. Sub-Lt. D. S. Macphail to be Surg. Lt.

## ARMY MEDICAL SERVICES

Col. G. H. Richard, late R.A.M.C., having attained the age for retirement, is placed on ret. pay.

Lt.-Col. W. B. Rennie, M.C., from R.A.M.C., to be Col.

## ROYAL ARMY MEDICAL CORPS

Maj. and Bt. Lt.-Col. E. C. Linton to be Lt.-Col.

### ARMY DENTAL CORPS

Short Service Commission: J. A. R. Jameson to be Lt. (on prob.).

### TERRITORIAL ARMY

Lt.-Cols. L. H. Taylor and G. L. Malcolm-Smith to be Bt. Cols.

Maj. H. V. Leigh (late R.A.M.C.) to be Lt.-Col. and to comd. the 3rd (Western) Gen. Hosp.

Capt. C. H. Wilson relinquishes his commn. on account of ill health.

Lt. G. C. Langlands to be Capt.

W. N. Chisholm to be Lt.

## ROYAL AIR FORCE

Squadron Leader N. I. Smith to Aircraft Depôt, Karachi, India, for duty as Medical Officer.

Flight Lt. P. J. McNally to R.A.F., General Hospital, Hinaidi, Iraq.

Flying Offrs. D. F. Cameron and J. H. Lewis to Headquarters, R.A.F., Iraq, Hinaidi; F. S. Sidey to Aircraft Depôt, Karachi, India; and J. C. Taylor to No. 1 (Indian Wing) Station, Kohat, India.

## COLONIAL MEDICAL SERVICE

The following appointments are made: Dr. H. M. C. Aslett, Medical Superintendent, Lunatic Asylum, Jamaica; Dr. G. A. Ransome, Associate Professor, King Edward VII College of Medicine, Singapore; Dr. A. H. Chenard de la Giraudais and Dr. W. U. Hill, Medical Officers, West Africa. Dr. S. W. Eveson (Health Officer) becomes Health Officer, Superscale Grade B, Malayan Medical Service, and Dr. D. M. McSwan (Medical Officer) becomes Medical Officer, Superscale Grade B, Malayan Medical Service. Dr. R. C. Hopkinson (late M.O., Nigeria) becomes Medical Officer, St. Helena, and Dr. W. J. E. Phillips (District M.O., Cyprus) Senior Medical Officer, Department of Health, Palestine.

# SPECIAL ARTICLES

## THE COUNTRY'S MENTAL HEALTH

In reporting on the work of the mental health services for the year 1936 the Board of Control say[1] that the financial difficulties of the nation do not appear to have caused any perceptible increase in mental disorder. Otherwise the year's statistics afford little ground for complacency. The number under care has remained steady: the increase was just under 2000, the average annual increase for the previous five years being 1615. Direct admissions to public mental hospitals were 25,650, compared with an average for the last five years of 22,654. This increase was to a large extent balanced by the departure of many voluntary patients after a short period of treatment. This is satisfactory, the Board consider, for it indicates that real progress has been made in the treatment of mental disorders in the early stages. On the other hand, progress towards prevention is slow and the Board see great need for many more child guidance clinics and out-patient clinics. They are disappointed also that new methods of treatment have apparently not yet been reflected in the discharge rate. The increasing admissions of senile patients probably, they say, mask a real increase in the discharge rate, but no statistical proof can be given.

They wonder whether, apart from new methods and the admitted improvements in dietary and nursing, more might not be done to effect recovery. They are convinced that in general there has been a marked advance, but recognise that in too many public mental hospitals the medical staff is little more than adequate to maintain the physical condition of the patients. Where detached admission units have been provided, the staffing has in general been improved. It is, however, still far from sufficient by the standards of the larger registered hospitals or of general Continental practice. In the less progressive hospitals, suggestions for even the most modest addition to the medical staff are too often postponed or ignored. The Board make a spirited complaint against the general neglect of psychotherapy. Mass-production methods in psychiatry must, they say, certainly fail. To win the patient's confidence, to discover the mental background and to unravel the mystery of a case take much time, and within limits what the doctor can do for a case depends largely upon the amount of time he can give to it. They are sorry, but not surprised, that so many visiting committees are sceptical of the value of treatment which appears to consist merely of talk. They will spend freely to provide buildings and equipment, but grudge expenditure on staff needed for psychotherapy. The Board fear that it may always be difficult to persuade Englishmen to believe in a form of medicine which uses no lancet and prescribes no pill.

### RESEARCH

The Board continue to press for more research into the production of mental disorder and defect. The Mental Treatment Act, 1930, for the first time gave local authorities power, with the Board's approval, to contribute to research done outside their own laboratories. It provided a means of linking up the work of hospital laboratories with that of the universities, medical schools, and other centres of scientific work. At the passing of the Act the Board decided to appoint a committee to lay down principles for approving schemes for subsidising research. The slump of 1931 prevented this plan from being carried out at that time. The committee has, however, now been reconstituted under the chairmanship of Lord Radnor. The Board hope that it will be able to devise a practicable scheme for enlisting the help of the universities and medical schools in the investigation of the larger problems which are beyond the limited resources of individual hospitals. Coöperation between the mental hospitals and mental deficiency colonies and the larger scientific centres should, they consider, materially increase the efficiency of the work in the hospital laboratories, which is vitally important to the welfare of patients in improving treatment and preventing intercurrent disease.

The Board have been interested in Sakel's new method of treating schizophrenia by insulin shock. They accordingly asked one of their commissioners, Dr. Isabel Wilson, to visit Vienna and investigate the treatment. She did this, and her report has been published.[2] The method has already been tried at several hospitals in this country; it needs much care and study and makes a heavy demand upon the medical and nursing staff. It has its dangers, though, the Board say, they are probably not greater than those of malaria therapy. The results suggest that it deserves careful trial, in suitable centres by experienced persons.

### VOCATIONAL TRAINING

Voluntary patients in the early stages of mental trouble are concentrated by the London County Council at St. Ebba's Hospital. The authorities have found that one of their great difficulties in discharging improved patients has been to find them suitable employment. Discharge without the certainty of employment must always mean worry and the danger of relapse. They therefore set themselves to find a job for each patient before they discharged him. This, of course, has long been recognised as an essential feature of successful after-care. If, however, the patient's former work has been causing him anxiety and stress, his mental health will not be likely to improve if he goes back to it. The L.C.C. have therefore introduced an important new feature of their after-care work: vocational training for those patients who need a complete change of occupation. The Board point out that the training cannot be inexpensive, but the cost is a sound investment. The scheme is still in the experimental stage and only a few patients have been trained. The Board think, however, that it is planned on essentially sound lines, and are watching its development with great interest.

Most mental hospitals, and most of the larger mental deficiency institutions, now provide dental treatment, but the Board do not consider that it is adequate in all of them, even for the new admissions. In any case, although new patients should have proper dental treatment as a matter of routine, all patients should be regularly treated and those who need dentures and can be trusted with them should have them fitted. More care is also needed, the Board say, in providing proper racks where toothbrushes can be kept properly ventilated and apart.

In their last report the Board advocated the provision of hairdressing rooms for the women

[1] The twenty-third annual report of the Board of Control. Part I. London: H.M. Stat. Office. 1937. Pp. 89. 1s. 6d.

[2] A Study of Hypoglycæmic Shock Treatment in Schizophrenia. H.M. Stat. Office. 1936.

patients. One hospital says that the hairdressing room has transformed the women's side. They are convinced that decent hairdressing, like brighter modern frocks, is an important factor in building up the patient's self-respect. The essence of successful treatment, they say, is to normalise the patient, and a woman, particularly a young woman, cannot and ought not to feel normal in shapeless clothes with her hair limp and draggled. A little vanity and an interest in appearance are a step towards improvement. Similarly, steam clothes-presses for the men are well worth what they cost.

As an illustration of the value of encouraging patients to play games themselves instead of merely watching them played by the staff, the Board quote an account of a visit paid by a party of patients from the Derby County Mental Hospital to the Leicestershire and Rutland Mental Hospital at Narborough. An enthusiastic and pleasurable game of cricket was played; it was perhaps not entirely orthodox and the report did not say which side won. Nor, in the opinion of the Board, did it matter, for two teams of patients, each with only a single staff player, had thoroughly enjoyed a game and also given great pleasure to the spectators from both hospitals. Matches of this kind are a wholesome reminder, the Board conclude, that cricket can still be played for pleasure.

Substantial advances have therefore been made in the quality of accommodation, but the problem of its quantity is worse than ever. There are 1217 more beds, chiefly in the new hospital which is being built by East Ham and Southend at Runwell. This figure is considerably smaller than the increase in the total number of patients under care, and would be less still but for the present overcrowding itself, notably in Lancashire, which keeps patients who urgently need hospital treatment waiting in public assistance institutions. There are now nearly 3000 patients more than the authorised number of beds. Runwell will be complete this year, but after that no further additions of importance will be made until the second half of the Shenley Mental Hospital and the extensions at St. Ebba's are completed. The new hospitals at Latham Park in Lancashire and Margaretting Hall in Essex will probably not be ready for another four years, during which time the total overcrowding will probably become a great deal worse.

The section of the report dealing with Mental Deficiency will be noticed in a later issue.

## THE MEDICAL PROFESSION AND PEACE

ON Oct. 23rd, at the first national congress of the International Peace Campaign, a medical commission under the auspices of the Medical Peace Campaign met to consider two resolutions:—

That the medical profession has a duty and right to assume an independent and critical attitude in regard to all State regulations affecting war or war preparedness; and

That an international peace campaign should consider what steps can be taken at the present time by the medical profession in all countries to prevent war.

Mr. PHILIP WILES, F.R.C.S., who presided, said that with war on our doorsteps and the talk of war on everybody's lips, this seemed the psychological moment to strike in defence of peace. He read a letter from Dr. R. G. Robertson, who in the midst of tending the air-raid victims of Shanghai, urged on the home population the necessity of acting now. He asked if doctors were not to attempt to stem the tide of war, as they would of any other pestilence. War could be fairly likened to a disease and the product of diseased minds—vide Mussolini's utterance in 1932 that "Fascism believes in neither the possibility nor the utility of a perpetual peace."

Dr. W. H. HUGHES said there was a feeling that it was a doctor's duty to succour suffering humanity and leave politics alone. But politics would not leave doctors alone. In Germany for instance it was decreed that in places where there were Jewish hospitals, Jews might not be admitted to Aryan hospitals. This was not the decision of doctors but of politicians. In this country there was greater freedom and chance of criticism, but doctors were still involved. They were pledged now, as a profession, to carry out air-raid precautions as devised at present. If war came there would be no time to take up an independent and critical attitude. The medical profession would then be simply engaged in working itself to death. They must act now, and throw their weight in on the side of peace.

Dr. HORACE JOULES agreed that there could be no divorcement of medicine and politics. Most of the great recent advances in medicine were due to the use of scientific methods. But there was the perversion of scientific methods also. Pseudo-scientific official utterances about blood and race in Germany were simply a return to black magic. Advances had also been made in preventive medicine. Research showed that many of our ills were due to the economic factors, want and malnutrition, over which we could have control. But pressure was brought to bear not to expose economic conditions. The medical profession must be on the side of a government that was using science to improve and not to distort. In this country, the British Medical Association, which represented the medical profession, was not showing itself to be on this side. The Government's precautions against air raids were not adequate. There was no proper protection from air raids for the poorer sections of the community. The B.M.A. offered no criticism and would not press for an inquiry into the whole subject of air-raid precautions. Again, doctors should examine the Government's physical fitness campaign. Was this really war preparation or was the Government sincerely interested in health? The medical profession could make no promises for the future until it knew the Government's line. It must take sides, and as an independent and scientifically minded profession it must avert the return of the dark ages.

Dr. STELLA CHURCHILL said that if doctors were not going to fall into line with the government of the day, they must decide how and through what they were going to protest. With regard to air-raid precautions they had to consider attack not only from gas but from incendiary and explosive bombs, and also the defence of the water-supply.

Dr. LEDEBOER (Haarlem) said that in Holland they had succeeded in convincing their colleagues that everything to do with war had to do with doctors and had appointed a commission of war prophylaxis in the Netherlands Medical Association. They hoped to get their example followed in other countries. In attempting to spread their principle they had approached psychiatrists and statesmen as being of the first importance and had had a number of replies.

Mr. HERBERT CAIGER, F.R.C.S. (Sheffield), quoted Prof. A. D. McNair, professor of international law at Cambridge, as emphasising the power of the medical

profession in moulding public opinion. He said that the public must be able to rely on doctors not to obstruct any scientific truth even in the matter of war.

Dr. ROORDA (Holland) described the manner in which the Netherland Medical Association was persuaded to accept the principle that doctors are involved with war, and to set up its commission of war prophylaxis.

Dr. JOSEPH NUNAN (Sheffield) said that the principle had been accepted by the B.M.A., who had undertaken to get in touch with the Health Section of the League of Nations and if required to form a special commission to inquire into the psychology of war.—Dr. HELEN BOYLE (Brighton) said that the B.M.A. was what its members made it.—Dr. T. O. GARLAND (Northampton) remarked on the difficulties for doctors in public health services whose positions might be endangered by their expression of political opinions.—Dr. P. A. GALPIN said that the work of doctors was at the mercy of international conditions. The ground gained in fighting tuberculosis for instance was only consistent with the standard of living. At a threat of war doctors had every right to criticise the powers that be.—Dr. E. H. M. MILLIGAN (Glossop) wished to add to the resolution that it was the doctors' right to criticise the Government's foreign policy.—Dr. JOULES insisted that doctors must not become part of the war-machine. He said that the B.M.A. had become a Government department.

The following resolution was unanimously passed :—

That the medical profession has a duty and a right to assume an independent and critical attitude in regard to government policy and regulations affecting war or war-preparedness.

AN ACTIVE POLICY ?

In introducing the second part of the discussion Mr. WILES said that if we worked hard enough we could prevent war overtaking us. What practical steps were we going to take not when, but before war broke out ?

Dr. A. C. LANKESTER (Purley) said that doctors in this country numbered about 50,000 coherent and intellectual people. They were committed not only to the relief of suffering, but to its prevention. Must they wait till the horror began, or could they realise their responsibility first ? Nobody knew better than they the effects and after-effects of war, and this knowledge made them responsible for taking action. There was no country in which the people wanted war, and yet we went round in the circle : fear—armaments—war. Doctors must be solid for peace, and deal with the mass psychology of war. Nobody else would.

Mr. F. LE GROS CLARK said that the appeal to the medical profession could not be only along humanitarian but must be along political lines. War and Fascism were linked together. Within a reasonable period the non-Fascist countries would not make war, but Fascist countries were now making it. It was no use in the name of humanitarianism sending driblets of medical supplies to Spain while the civilian population of the Asturias was being devastated by bombs.

Dr. MILLIGAN suggested trying to get a campaign going to rope in the whole medical profession.—Dr. T. M. LING (Bristol) pointed out that the medical profession had international meeting-grounds in the shape of specialist congresses. They would be useful ground in which to sow seed. It would be helpful to get peace resolutions on their agenda.—Dr. JOHN BEE (Bromley) said that the problem was not to exclude the war-like people and the people who thought differently from ourselves, but rather to find some means whereby we could all live together.—Dr. CHURCHILL said that teaching from the earliest age should be away from war. The young should be given a good outlet for their aggression and other ideals than war. General practitioners could use their influence on individuals.—Dr. HILDA CLARK said that doctors should take care to be better informed about international affairs.—Mr. P. V. ISAACS made a plea for medical students to be roped in on the peace side.

Mr. WILES asked for practical suggestions to penetrate the B.M.A. A psychological investigation might bear fruit in three generations ; but the question was how to stop war now.

After some discussion as to how best to influence the rank and file of the B.M.A. the resolution was drafted into two parts as follows, and was carried :—

(1) That the medical commission of the International Peace Campaign call on the council of the British Medical Association to initiate common action with the professional organisations in other countries to combat the growing menace of war.

(2) That the medical commission of the International Peace Campaign ask the committee of the Medical Peace Campaign to draft resolutions for submission to all branches and divisions of the B.M.A. on the question of peace and the attitude of the profession to air-raid precautions.

## WOMEN STUDENTS AT THE WEST LONDON HOSPITAL

THE West London Hospital, which is now to admit women undergraduates, has offered facilities for post-graduate medical education for over forty years. When the establishment of the British Postgraduate Medical School was first under consideration it seemed likely that this would be the hospital selected for the purpose and negotiations to this end were continued for some years. Indeed, we are informed that it was the prospect of money being spent on the hospital from public funds that prevented the board from making any improvements during the prosperous years just after the war. After the passing of the 1929 Act the decision was made to use the Hammersmith hospital for the British Postgraduate Medical School and this decision coincided in time with the general slump. In spite of the consequent difficulties in raising funds considerable progress has been made in improving the buildings and equipment.

Since the opening of the new post-graduate school at Ducane-road three years ago the medical staff of

Common room.

the West London Hospital have felt that in the long run the competition of a State-aided school in the same locality would be overpowering and started to look round for some other kind of educational activity. In the summer of 1934 the University of London was approached with the suggestion that the West London might provide facilities for the clinical training of women students, whose needs in London were beginning to be urgent. At that time the university authorities were not satisfied that the building and equipment were adapted to the purpose and also had reason to believe that there were relatively few women who took their second M.B. in London and failed to find accommodation for clinical work. It was considered probable, however, that many women were going to the provincial universities for the whole of their training as they could not get places in London. The main difficulties among

West London Hospital, showing new block.

Museum.

London students who had passed their second M.B. arose at University College. This college accepts 16 a year, but only absorbs 8 into the hospital; 2 of the remaining 8 sometimes get a place, but 6 have to go elsewhere and they do not always find it easy to get places at provincial schools. Moreover, they can only go if they can afford to live away from London. Last winter the West London Hospital had a number of applications from women but could not accept them without recognition from the University. In June the University decided to recognise the hospital as a school for "external students" for the M.B., B.S. degree. This recognition required the approval of the Privy Council, which was received last week.

Four women undergraduates from University College have already started work at the hospital, one of whom has already done part of her clinical course at Leeds. Resident posts will be available for women students after graduation, and sex will be no disqualification for appointments on the honorary staff. Recognition from the University is, however, not confined to women, and applications from suitable men candidates would be considered.

It seems likely that the West London Hospital will ultimately develop into an undergraduate school. The accommodation for students is regarded as adequate for the moment, but new school buildings will have to be erected sooner or later. If the money is forthcoming this should not present any difficulty as the hospital owns the island site of 3½ acres on which it is situated. About half the property consists of small houses let on short leases. Some of the houses are now vacant and the acquisition of one or more as a temporary home for the school presents no difficulties.

Applications are being made to the Universities of Oxford and Cambridge for recognition and also to the London Licensing Bodies (Society of Apothecaries and Conjoint Board). As long as the number of beds does not exceed 240 it is not proposed to accept more than 25 students a year, so that the school will never be overcrowded. Financial problems will have to be solved, and some sort of public appeal will doubtless be made for buildings and other purposes—e.g., library, scholarships. It is hoped that the University of London will recognise the West London Hospital as an internal school of the University in due course, and that a Treasury grant may become available.

## THE LANCET 100 YEARS AGO

*October 28th, 1837, p. 175.*

*From a circular addressed to a Member of Parliament and forwarded by a correspondent.*

"Dr. Duncan begs to announce his residence at No. 1, Watkin's-terrace, Ebury-street, Pimlico, where, agreeably to urgent invitation, he intends to devote himself, as for many years past, to the general practice of medicine and midwifery. In commencing practice in this neighbourhood, and on this account alone, Dr. Duncan deems it necessary to state, that he has been twenty years in practice, three of which he has lately passed on the Continent, where he visited and minutely observed the practice of some of the principal medical establishments. From a long and extensive practice, public as well as private, Dr. Duncan presumes on a continuance of that distinguished patronage with which he has hitherto been honoured. A long list of names of the highest respectability might be adduced in support of his claim to the confidence of the public, but the following may be deemed sufficient. Dr. Duncan has had the honour of attending, professionally, members of the families of the Duke of Richmond; the Marquis of Anglesey; the Marquis of Bath; the Earl of Aberdeen; the Earl of Marlborough; the Earl of Shrewsbury. . . ."

## IRELAND

(FROM OUR OWN CORRESPONDENT)

### THE SWEEPSTAKES AND THE HOSPITALS

THE draw for the twenty-second of the Irish Hospitals Sweepstakes—that on the Cesarewitch—was held at the Mansion House, Dublin, on Oct. 22nd and 23rd. It was announced that the sum to accrue to the Hospital Fund as the result of the sweepstake would be £493,318. For the past four sweepstakes the sum for the hospitals has varied round £500,000. The total amount that has been collected for the hospitals since the sweepstakes were begun is £11,612,177. In connexion with the draw a photographic exhibition was held showing some of the improvements that have taken place in the hospital system of the Irish Free State as a result of help from the sweepstake funds. The photographs showed many new, well-planned institutions, excellently equipped, in the several counties. It would seem, indeed, that the needs of the country districts must be nearly met by now, but the problem of the city hospitals—for the aid of which the sweepstakes were instituted—has yet to be decided. It is not suggested that there are not, or will not soon be, ample funds for this purpose, but that the problem presents special difficulties which have required long study.

Answering a question in the Dáil recently the Minister for Local Government and Public Health, Mr. Sean T. O'Kelly, stated that certain matters had been submitted to the committees of the Dublin hospitals which were under consideration at the moment, and as soon as he got a satisfactory reply he hoped to be able to issue an early decision. In closing the draw last week Sir Joseph Glynn pointed out that the Medical Research Council of Saorstat Eireann, financed out of sweepstake funds, was now in existence, and had already nominated fourteen research scholars to undergo training in the methods of research, who were now working, some in Dublin and others in various centres overseas. Last week also the Hospital Library Service was inaugurated, and is in a position to lend or give books to the voluntary hospitals and to the tuberculosis sanatoriums. It is hoped that after a little experience it may be found possible to extend the service to all hospitals in the country.

### PENSIONS IN THE ARMY MEDICAL SERVICE

Ever since 1922 when the National Army of the Irish Free State came into existence there has been a small but distinguished group of officers constituting the Army Medical Service. Hitherto, however, there has been no established scheme of pensions for any of the officers of the Army, medical or other. Some months ago a Pensions Act was passed by the Dáil which empowered the Minister for Defence to draft regulations to govern a pensions scheme for officers and men. The draft regulations were laid on the table of the Dáil a few weeks ago and the motion for approval was moved by the Minister on Oct. 20th. Prior to this, as soon as the regulations were laid on the table and thereby made public, the council of the Irish Free State Medical Union, being dissatisfied with the scheme as it affected the medical officers, requested permission of the Minister to put their views before him by means of a deputation. To the surprise of the Union this request was refused, for hitherto in regard to other matters Ministers have always been willing to give the Union a hearing. Met by this refusal the council of the Union had no option but to publish their criticism of the regulations in the press, and a memorandum on the subject has obtained wide publicity. Several medical members of the Dáil have also taken an interest in the matter and are determined to criticise the Minister's resolution of approval of the regulations, the debate on which has not concluded. The memorandum issued by the council of the Union points out that the basic principle of the proposed scheme is one of pension by rank, and is segregated altogether from considerations of pay. As the pay within one rank varies enormously—sometimes by as much as 100 per cent.—such a principle may lead to gross anomalies. That it does so in the working of the scheme is shown by the fact that whereas a combatant officer who had reached the maximum pay of his rank would be entitled to a maximum pension of approximately 66 per cent. of his pay, a medical officer in similar case would receive less than 40 per cent. of his pay. In no case is the pension for a medical officer such as would provide a livelihood in itself. Moreover, apart from the amount of the pension, an officer wishing to retire is hampered in two ways. He is not permitted to retire without the permission of the Minister, and when retired he is not permitted to reside outside the Irish Free State without the permission of the Minister. The latter condition may interfere gravely with the prospect of earning a livelihood, particularly in the case of a medical officer, for the Irish Free State offers only a narrow market for employment to a medical man at the age of 50 or 55.

### THE ROYAL COLLEGE OF PHYSICIANS OF IRELAND

The president and fellows of the Royal College of Physicians of Ireland held their annual meeting for the election of officers on St. Luke's Day in the College Hall. Dr. William Boxwell was unanimously elected president in room of Dr. J. A. Matson, retiring. The president nominated Dr. W. G. Harvey as vice-president. Dr. Boxwell, the new president, has been a fellow of the College since 1908. He is a M.D. of Dublin University, and is physician to the Meath Hospital, and professor of pathology in the school of the Royal College of Surgeons. He has an interesting family connexion with Dublin medicine in that he is a grandson of William Stokes. In the evening the fellows dined together and entertained a large number of guests. In particular they had the unusual privilege of having as a guest Prof. W. T. Ritchie, president of the Royal College of Physicians of Edinburgh. Fraternal greetings were received from the president of the Royal College of Physicians of London, who is an honorary fellow of the Irish College.

## PARIS

(FROM OUR OWN CORRESPONDENT)

### A FRENCH SURGICAL CONGRESS

THE forty-sixth Congrès Français de Chirurgie was held in Paris between Oct. 4th and 9th, with Prof. Raymond Grégoire in the chair. The three subjects studied were burns of the skin, embolism of the arteries of the limbs, and closed fractures of the diaphyses of the leg below the knee. In his introductory address Prof. Grégoire cast a rather melancholy glance down the two diverging roads along which he saw surgeons marching to-day. He wondered whether the surgeon of to-morrow will retain his independence and initiative or become a mere

link in a chain whose guiding principle is mass-production. He who chooses the latter course will enjoy the privileges of a dog on the chain, every meal in the day guaranteed in advance; but Prof. Grégoire made it plain that his own sympathies went out to the individualistic surgeon whose counterpart is to be found in the lady broken-hearted if there is a single duplicate of her hat in Paris.

In the discussion on burns it was stated that 40–45 per cent. of the fatal cases are now in children under the age of six. Ointments came in for condemnation as calculated to promote the absorption of toxic bodies, retention of discharge, maceration of the skin, and infection; but they still seem to be permissible for small and insignificant burns, and they may have their place during the period of repair, when the risks of poisoning have disappeared and vast granulation surfaces require an indulgent covering. Davidson's tannic acid treatment appears, in the opinion of the Congress, to be the best available at the present time.

#### THE TUBERCULOSIS ASSOCIATION VISITS PARIS

Between 70 and 80 English specialists in tuberculosis enjoyed the hospitality of Paris between Oct. 14th and 16th, and were shown some of the most interesting institutions for tuberculosis in the capital and the neighbourhood. Prof. Bezançon welcomed the visitors at a reception given at the Cité Universitaire. Next day Dr. Rist gave a demonstration at the Laënnec Hospital, and a visit paid to the Pasteur Institute provided opportunities for discussions with Dr. Guérin himself about B C G. A reception at the Hôtel de Ville was followed by a lunch given by the Mayor of Suresnes. A visit was paid to the sanatorium of Saint-Martin-du-Tertre, Franconville, and at every turn hosts and guests picked each others' brains with a serenity as polished as their thirst for information was insatiable. When not discussing strictly scientific and sociological aspects of tuberculosis they artlessly acquired information about each others' salaries as tuberculosis specialists. The unavoidable absence of Dr. Roodhouse Gloyne, this year's president of the Tuberculosis Association, was greatly deplored, and it would have been the more felt if the breach had not been gallantly filled in by Dr. L. S. T. Burrell, a former president of the Association, and Dr. F. R. G. Heaf, its secretary who, with Dr. Hazemann and Madame Blum-Ribes, president of the Ladies' Committee, did much to assure the smooth working of the demonstrations and entertainments from start to finish. The Tuberculosis Association brought as its mascot Sir StClair Thomson whose familiarity with everything French was generously put at the service of all; and whether he was addressed by his hosts as "Sir StClair" or just "Sir Thomson," his response was as gay as it was Gallic.

# PANEL AND CONTRACT PRACTICE

## THE PANEL CONFERENCE

THE annual conference of representatives of local medical and panel committees was held on Oct. 21st in the Great Hall of B.M.A. House with Mr. D. ELLIOTT DICKSON (Lochgelly, Fife) in the chair.

Dr. H. C. JONAS (Barnstaple), chairman of the Insurance Acts Committee (I.A.C.), said that three outstanding matters were before the conference: remuneration, publicity, and post-graduate work. The present scheme for post-graduate work was purely experimental, but some four hundred applications had been received for thirty-eight courses. Before the year was out practitioners should have the choice of courses at different centres. The I.A.C. were anxious to know if any of the courses were not considered suitable by practitioners. He hoped that the provision of post-graduate facilities would prove to be an outstanding success.

#### REMUNERATION

A motion by Bristol deploring the conduct and findings of the Court of Inquiry into the insurance capitation fee and recommending the establishment of a new body, composed of doctors elected by panel committees to represent insurance practitioners and to prepare anew the case for an increase in the capitation fee, did not find a seconder.

Dr. JONAS moved: "That this conference is dissatisfied with the conclusions of the recent court of inquiry into the insurance capitation fee and instructs the I.A.C. to take the necessary steps for obtaining an increase in the capitation fee at the earliest possible time." and this motion was supported by Dr. H. G. DAIN, and adopted. Dr. Dain's view was that it was useless to spend time on vain regrets; they had to look to the future. The profession could reopen the question whenever they liked—he hoped that this would be at the end of 1938—and he commented adversely on the extraordinary attitude adopted by the Minister himself towards the service he controlled and on the nature of the evidence produced. Efforts should be made to cultivate friendly relations with the public and so to make them realise what excellent service insurance practitioners are rendering. Motions from Glasgow and Birmingham urging the desirability of further action were also adopted, and a series of motions incorporating specific suggestions followed.

Dr. J. KERR (Cheshire) named 15*s*. per insured person per annum as a suitable capitation fee. The Isle of Wight wanted an increase of at least 50 per cent. on the present capitation fee. Dundee suggested that the various panel committees be asked to prepare a revised figure for panel practice in their areas. Dr. GORDON WILSON (Eastbourne) emphasised the necessity for loyal support, continuous encouragement and help for the I.A.C. in their efforts. He was in favour of taking steps to utilise the funds of the National Insurance Defence Trust to set up an independent system if further attempts to get an increased capitation fee were unsuccessful. Dr. DAIN deprecated this suggestion; it was up to them to fight for a proper service under the existing system, not to set up something which might and probably would be unsuccessful, and the motion was lost by a considerable majority. Dr. A. H. D. SMITH (Llanelly, Carmarthenshire) desired the conference to instruct the I.A.C. to continue to collect evidence (particularly from rural practitioners) to strengthen its case. Dr. JONAS said that next October the members of the conference should be prepared to say to what extent their constituents would back up the I.A.C. The next conference would have to consider the position and make it perfectly clear to the Minister whether they could say they were prepared to withdraw their services.

#### PATHOLOGICAL FACILITIES: DRUGS

Dr. W. V. HOWELLS (Swansea) said that pathological facilities were now essential and should be

available for insured persons. A new generation of insurance practitioners had arisen who wished to take advantage of all pathological facilities; this was not a luxury service, but, in his opinion, should now become a definite part of medical benefit. Dr. A. CAMPBELL (Lancashire) opposed any extension of the content of medical benefit until the capitation fee has been raised. Dr. DAIN said that this question would have to be looked at as part of the policy of the conference in the future. They would all agree that the extension of pathological facilities was very desirable. Dr. HOWELLS' motion was adopted.

A motion by Carmarthenshire was amended by London so as to read: "That this conference instructs the I.A.C. to consider the desirability of issuing from time to time short supplemental pamphlets giving the prices of the mixtures in the National Formulary for the information of practitioners." Dr. GREGG (I.A.C., London) said that all would realise that there were two sides to this question, and that they were on the horns of a dilemma. On the one hand, there was a possible incentive to prescribe cheap medicines so as to avoid charges of extravagant prescribing, and, on the other, if they were not aware of the prices of the medicines they were ordering, it was difficult to avoid the danger of excessive prescribing. He suggested that practitioners should be treated as reasonable people and provided with this information. The motion was lost.

### SCHOOL MEDICAL RECORDS

The report of the I.A.C. indicated that it was considered by the Ministry to be impracticable to devise a system of automatic transfer of school medical records to insurance practitioners in the case of all entrants into insurance. But an insurance practitioner could ascertain his patient's last school and apply to the education authority concerned for such particulars as might, in the opinion of the school medical officer, be likely to be of use. The I.A.C. would have preferred a method which did not involve a personal application. A motion by London urging upon the Minister of Health the importance of making available for insurance practitioners the school medical records of all entrants into N.H.I. was adopted but a more elaborate motion by Ayrshire detailing a mechanism by which the school medical history might be passed on was referred to the I.A.C.

### EMERGENCY TREATMENT OF DENTAL HÆMORRHAGE

Dr. T. A. MORRISON (Brighton) wished the conference to affirm that the responsibility for emergency treatment of hæmorrhage after dental treatment is primarily that of the dentist; and that any insurance practitioner called in should be entitled to remuneration of at least half a guinea to be paid from the funds available for dental benefit. He held that this treatment should normally be provided by the dentist and that doctors were being utilised to save the patient and the dentist trouble. Dr. JONAS said that this question had long been under consideration and it would be difficult to approach the Minister of Health again unless further arguments could be adduced. The department had already indicated that in their opinion there was no justification for distinguishing the service in question from other forms of emergency treatment, including emergencies following other forms of operations which insurance practitioners are required to render under their terms of service. There was, he thought, one other avenue which might be explored, namely, that representatives of the I.A.C. should meet a similar body from the dental side to see if some arrangement could be made in the matter. The difficulty was that the Minister would rule that the service is within the scope of medical benefit. The Brighton amendment was eventually carried.

### N.H.I. STATISTICS

The I.A.C. reported that, during 1937, 1895 practitioners, or 72 per cent. of the quota, had furnished statistics in connexion with their insurance practices. They appealed to panel committees not to relax their efforts, but to endeavour to secure the necessary volunteers for 1938.

Dr. H. R. CRAN (Surrey) moved that the I.A.C. should be instructed to obtain practitioners in different types of panel practice to keep accurate and detailed notes of every item of panel practice, special note being made of such attendances as night visits, visits made in response to late calls, special services such as operations; and that these practices be agreed with the Ministry of Health and open to their frequent inspection, and that a special grant be made to such practitioners from the National Insurance Defence Trust to compensate them for the extra work. He said that this proposal was put forward so as to counteract the evidence on which they had been defeated at the Court of Inquiry.

Dr. A. BEAUCHAMP (Birmingham), supporting the motion, said that it was necessary that they should be able to prove to the Minister that the requirements of the service are greater than he could possibly know. It was decided to refer the matter to the I.A.C. Eastbourne then moved that the I.A.C. should be instructed to request every insurance practitioner to provide for a period of twelve months a careful record of statistics as to visits and consultations, to be returned monthly to the committee, but the motion was lost. It was agreed on the motion of Dr. C. M. Stevenson (Cambridgeshire) that the I.A.C. should be instructed to endeavour to obtain from the Ministry an agreed procedure for preparing statistics which would be used for any future computation of the capitation fee.

### POST-GRADUATE FACILITIES: PUBLICITY

Dr. B. H. PAIN (Kent) moved that the conference were of opinion that post-graduate instruction for insurance practitioners should not be limited to intensive courses but that facilities should be afforded for practitioners to attend clinical practice at hospitals in the vicinity of their residence. This was agreed.

The conference unanimously agreed to ask all panel committees to contribute an annual sum towards the expenditure to be incurred for publicity purposes.

### OTHER MOTIONS

A motion by East Suffolk that the I.A.C. should examine the methods of payment for medical attendance at instructional centres for the unemployed was agreed. Dr. H. HENRY said that payment on the ordinary temporary resident basis in respect of these persons was a drag on the fund. East Suffolk had found their own remedy, but he thought it was time that the position was examined nationally.

Dr. J. O. SUMMERHAYES (East Sussex) moved: that the I.A.C. be instructed to investigate and report on the possibilities for making available under the National Health Insurance Acts, as an alternative to the development of clinics as now being advocated, a periodical medical examination of insured persons. He said that under the current health campaign the panel service was practically ignored, and unless insurance practitioners were careful they

would be squeezed out and would be carrying on what might be termed a second class medical service. He wanted insurance practitioners to show that they were not indifferent to the new health campaign. The motion was agreed.

On the motion of Dr. G. E. ELKINGTON (Shropshire) the I.A.C. were instructed to take steps to draw the attention of insured persons to the rule that except in emergency a request for a visit on the same day should reach the practitioner early in the morning.

Lancashire submitted a motion instructing the I.A.C. to compile a quarterly periodical for issue to every N.H.I. practitioner. The motion was withdrawn on the understanding that the matter would be raised again at the next conference.

NATIONAL INSURANCE DEFENCE TRUST

A statement submitted by the trustees showed that of the £250,000 aimed at £212,274, or 84 per cent., had been subscribed. England had contributed 87 per cent., Scotland 81 per cent., and Wales 56 per cent. of their quotas. Northern Ireland, which had not been assessed, had subscribed in addition £230. At August 31st, 1937, the assets of the fund were £246,983. The excess of income over expenditure for the past year was £8690.

Dr. D. G. GREENFIELD (Rushden, Northants) was elected chairman of the conference for next year.

Dr. JONAS was reappointed to serve on the conjoint committee of Epsom College as the representative of the conference.

# GRAINS AND SCRUPLES

*Under this heading appear week by week the unfettered thoughts of doctors in various occupations. Each contributor is responsible for the section for a month; his name can be seen later in the half-yearly index*

## FROM A GENITO-URINARY SURGEON

### V

BECAUSE October began on a Friday readers of Grains and Scruples have been condemned to listen to this Jeremiad of a genito-urinary surgeon for five long weeks. But relief is at hand. For the last time I ascend the steps of THE LANCET'S pulpit for anonymous preachers, to proclaim that although God is in his heaven all does not appear to me to be right with the world. Have a little more patience; other and more cheerful divines will follow me.

* * *

I am glad that I'm a doctor. I first realised my good fortune over twenty years ago when, after wishing good luck to my friends going up the communication trench to take up their positions for the coming battle of Arras, I poked a cautious ear out of my dug-out, and listened to the machine-gun bullets rushing through the night like a swarm of angry bees. I appreciate my profession now, not so much for reasons of bodily health as of spiritual peace. In spite of all that Plato has to say about us doctors, I believe that we are responsible for less mischief than are most professions or trades. To relieve pain and assist in the restoration of health seem to me to be something that is worth while doing. It is true that occasionally greater good might result from the death of a particular patient than from his recovery. It is also true that by procuring the survival of the unfit, we may lower the general level of health of the community and thereby introduce many new difficulties. But these larger issues are outside our jurisdiction. Or are they within it? This is the burning question that at this moment is being asked and answered in the columns of the journal of one of the great teaching hospitals.

* * *

The correspondence has been provoked by the editor who in a previous issue was incautious enough to deplore the fact that politics, in the shape of Communism and Fascism, had broken out within the hospital walls. That same editor is now being provided with an opportunity of learning that politics have little to do with thinking but everything to do with feeling. From the warmth of the response he has provoked he will see that the emotions are more dynamic than the intellect. It is they who stir us to action, not only to the action of politics but to all other human activities. The intellectual explanation only comes afterwards. It usually presents no difficulty for by the exercise of a little ingenuity one can rationalise anything; I can justify the opinions put forward in this article and equally well you can justify your objection to them. They are purely subjective phenomena, and therefore not to be taken too seriously. But unfortunately your Communists and your Fascists take their subjective feelings with intense seriousness. They are prepared to shoot other people who happen to disagree with them, and many of them if the need should arise will even resign themselves to dying for them. Hence the tragedy of Spain where thousands of ardent young Crusaders fight each other to the death, for the sake of two different brands of feeling, that, strange to say, happen to be curiously alike.

* * *

Who was the scientist who gave to the breed of man the name of *Homo sapiens*? Was he a cynic, a humorist, or merely blind? *Homo sentiens* would have been a better description of a being whose actions are dictated by his feelings. And with this description in our minds we should have made fewer errors. At Geneva instead of building a gigantic office in which to talk we would have erected a pleasant restaurant within a garden in which to dine and drink and cultivate good fellowship. There, seated at little tables on a beautiful terrace overlooking the lake, the Nations' delegates would have listened to the band, sipped their wine, and cultivated those friendly feelings on which some sort of mutual tolerance can alone be based. Debates, what do they do but accentuate our differences? Wine, tobacco, music, and flowers, would have been more suited to *Homo sentiens*. Two people with opposed views may eventually reach agreement over a bottle of wine; they will rarely reach it over a green baize table. If I were a millionaire with world peace as my hobby I would still make a belated effort to save a crumbling League. Stocking the empty rooms of the million-pound Palace of Peace with the choicest vintages that my money could buy I would somehow contrive that no discussion ever took place without frequent intervals for free refreshment.

* * *

And it is into this Bedlam of politics, this Babel of tongues that the young correspondents of the

hospital journal invite us to step. I quote at random from some of their letters.

"To accuse others of being provocative and propagandists because they believe themselves to be working for a happier society merely indicates a lack of sympathy unbecoming to our profession. It is only those who refuse to acknowledge the social injustices of the day who can harden their hearts to decry the faith of a reformist minority."

"We disagree with your contention that the hospital is a scientific institution in which politics have no place . . . it is also true that the material of medicine is humanity. . . . Poverty, malnutrition, bad housing, bad working conditions in factories . . . have as important a place in the ætiology of disease as micro-organisms. . . . How to eliminate the social factors in disease and ill health is as much a political as a medical problem, and political as well as medical methods must be used to solve them."

The justification is a good one, but how are we to eliminate these social factors? That is the problem, and I for one feel that your medical politician, prime minister, and dictator will be as ineffective in doing so as have been their predecessors. Once in power they will lose what medicine they possessed as rapidly as did the higher ranks of the R.A.M.C. in the last great war shed their modest modicum of medical knowledge. The only difference between these medical and other politicians will be that they will bolster up their own prejudices by means of medical instead of economic or military arguments. Later in their career, finding that these slogans are insufficiently stirring to the populace, they will discard them—except perhaps in purely municipal affairs—and fall back on the more effective appeals to patriotism and national prestige. We shall be exactly where we were.

Speaking personally I would as soon live under a patently mad dictator as under one who could indulge his whim for having me medically inspected, inoculated, dieted, disinfected, psycho-analysed, married on eugenic principles, sterilised, or compelled to breed in accordance with my eugenic index, and with the rise or fall in the curves of the national statistical department. I trust no more the doctor in power than I trust the bygone priest or the present soldier. He is on the same level as the rest of humanity.

* * *

So, you young reformers of a troubled world, who would have me join you in the sphere of politics, I must decline that honour. My heart is hardened with age; it does not share your faith in this "reformist minority movement." The movement of all humanity is in a circle. Slaves rise against tyrants in turn to become tyrants. The popular movement that started in the name of liberty ends with the overcrowding of the prisons. The police gives place to the cheka and the frightened Nicholas to the terrified Stalin. In time the circle is completed. So let me remain an onlooker, even if in the end my onlooking be done from some vast concentration camp in which are confined those who cannot share your views. There enjoying the blessings of—what is it called?—protective arrest, I shall at least do no harm. And be assured that I show no favouritism. I would just as soon that *you*—whoever you happen to be, Fascist or Communist—won as that your opponents should do so. For in the end it will make precious little difference.

*** *This concludes the five articles by A Genito-urinary Surgeon. Next month A Salaried Surgeon will be responsible for these columns.*—ED. L.

# PUBLIC HEALTH

## The Annual Report

THE Ministry of Health have issued the usual circular about the annual reports of medical officers of health. This differs little from its predecessor, and despite the national campaign for promoting the use of the health services it makes hardly any mention of health education. The report for 1937 is to be an ordinary one in which, with few exceptions, information is only required of what is new or has been modified in the year under review; but in view of some remarks made by Sir George Chrystal, secretary to the Ministry of Health, at a conference in September, it might be more interesting than usual. The Ministry are much annoyed if they are not given the information for which they specially ask, but otherwise they leave the M.O.H. free to say what he likes, provided he keeps to health matters and avoids party politics. The local authority does not receive the report until it is printed and copies have been dispatched to the Ministry. Many local authorities would like to edit it, but attempts to do so must be resisted, though every medical officer of health expects his authority to criticise it later if it contains anything distasteful. The annual report of the school medical officer, unlike that of the M.O.H., is presented to the local education authority for their approval before it goes to the Board of Education. This explains why so many of the school reports are uninteresting, though most education committees give their school medical officers a free hand to write their reports in their own way. The circulation of the annual reports is restricted, but it seems to us that it would be to the public benefit if copies were sent to all practitioners in the districts to which they relate. As everybody is anxious to enlist the private practitioners in the work of prevention it is reasonable that they should be kept informed and interested in what is happening.

## Criticism of Isolation Hospitals

A resolution passed by the borough council of Buckingham that in their opinion the procedure governing the discharge of patients from the North Bucks Isolation Hospital "is not such as to guarantee that patients are free from infectious disease of any kind on their return home" has called forth from Dr. C. J. H. Sharp, medical officer of the hospital, a reply that will satisfy those who understand the functions and limitations of isolation hospitals but will only temporarily silence critics whose ideas of infection and its control are derived from an age that is past. The trouble arose in the usual way through alleged return cases. A return case is defined as any case of infectious disease occurring within 28 days in a household to which a patient recovered from an infectious disease is returned from isolation. It is a convenient term, but is misleading unless its definition is borne in mind, for committees and the public usually interpret a return case as one that has been infected by a person returned from hospital, which it may not be. In the Buckingham affair the council assumed that it was possible to guarantee that a person was free from infectious disease and incapable of spreading it, and that therefore patients

should not be sent out of hospital without such a guarantee. One can of course give an assurance that no person *suffering* from infectious disease will be discharged, and one can go further and say that no person shall leave hospital until steps have been taken to free him as far as possible from parasites liable to set up disease in others; but it is often impossible to certify, without qualifications, that a person is free from infection. We know now that the spreaders of infection are mainly healthy people, for those actually diseased by an infectious process, thought potentially more dangerous, have their activities curtailed. Except in scarlet fever, actual infection of others by recovered patients sent out of fever hospitals is now exceedingly rare, but owing to the multiplicity of the varieties of streptococcus that can give the scarlet-fever reaction, return cases of this disease are not uncommon. As streptococci can live on any part of the respiratory mucous membrane, to assure their absence from every part would take too long to be feasible.

The Local Government Act of 1929, fortified by the Public Health Act of 1936, will lead to the suppression of the minor isolation hospitals and the concentration of infectious cases in large hospitals serving wide areas. We need not stop to plead the advantages of this reform, but we are fully aware that small local government units do not like it; they want to retain their own particular pest-houses and not unnaturally may seek opportunities to attack the practice of the larger isolation hospitals. The kind of charge made by Buckingham against the North Bucks joint hospital is to be expected and must be met—as Dr. Sharp met it—with good temper and an endeavour to explain the facts.

## INFECTIOUS DISEASE

### IN ENGLAND AND WALES DURING THE WEEK ENDED OCT. 16TH, 1937

*Notifications.*—The following cases of infectious disease were notified during the week: Small-pox, 0; scarlet fever, 2474; diphtheria, 1566; enteric fever, 31; pneumonia (primary or influenzal), 747; puerperal pyrexia, 170; cerebro-spinal fever, 14; acute poliomyelitis, 32; acute polio-encephalitis, 3; encephalitis lethargica, 3; dysentery, 37; ophthalmia neonatorum, 100. No case of cholera, plague, or typhus fever was notified during the week.

The number of cases in the Infectious Hospitals of the London County Council on Oct. 22nd was 3317, which included: Scarlet fever, 937; diphtheria, 1181 (diphtheria carriers, 24); measles, 82; whooping-cough, 270; puerperal fever, 10 mothers (plus 8 babies); encephalitis lethargica, 283; poliomyelitis, 14. At St. Margaret's Hospital there were 24 babies (plus 11 mothers) with ophthalmia neonatorum.

*Deaths.*—In 124 great towns, including London, there was no death from small-pox, 2 (1) from enteric fever, 4 (0) from measles, 3 (0) from scarlet fever, 5 (2) from whooping-cough, 29 (3) from diphtheria, 51 (12) from diarrhœa and enteritis under two years, and 21 (5) from influenza. The figures in parentheses are those for London itself.

Gloucester reported the only death from enteric fever outside London. Liverpool had 2 fatal cases of measles and 3 of whooping-cough. Diphtheria was fatal in 21 great towns; Liverpool reported 3 deaths. Birmingham had 6 deaths from diarrhœa; Liverpool, Newcastle-on-Tyne, and Nottingham each 3.

The number of stillbirths notified during the week was 245 (corresponding to a rate of 37 per 1000 total births), including 49 in London.

ROYAL MANCHESTER CHILDREN'S HOSPITAL, PENDLEBURY.—A new isolation block was opened at this hospital on Oct. 13th. The Lancashire and Cheshire Miners' Welfare committee has given £3000 towards the £4500 which was required for the extension.

# LONDON MEDICAL EXHIBITION

(*Concluded from p. 984*)

## Surgical Instruments and Accessories

(90) ALLEN AND HANBURYS LTD. (Bethnal Green, E.) had on view a wide range of instruments, appliances, and hospital equipment, including a new-pattern anæsthetic table and new instruments for many departments of surgery; gas-and-air apparatus for midwifery, and an improved electric steriliser which is almost impossible to burn out. They also showed sutures and ligatures of all kinds and many types of hearing-aid.—(30, 31) JOHN BELL AND CROYDEN (Arnold and Sons) (50–52, Wigmore-street, W.) selected for attention Baxter's intravenous solutions in Vacoliters ready made up and available for instant use. They also showed Marriott and Kekwick's apparatus for continuous-drip blood transfusion; and a new mattress with a continuous wire spring which can be sterilised and is sufficiently flexible to adapt itself to movements of a bed when put into the Fowler position.—(20) JOHN BELL AND CROYDEN (Acoustic Department, 50, Wigmore-street, W.) in addition to being agents for all makes of hearing-aids, this year introduced their own models, the Belclere, which, they say, are the lightest on the market. With the aid of an audiometer these aids can be prescribed precisely to meet the need of the individual patient.—(122, 123, 134) THE BRITISH OXYGEN COMPANY (Wembley) presented "Queen Charlotte's" gas-air analgesia apparatus, which has the official recognition of the Central Midwives Board. Inexpensive and easily portable, it is intended primarily for use in childbirth. They also showed other apparatus for gas-air analgesia.—(16) BRUCE, GREEN AND CO., LTD. (14, Bloomsbury-street, W.C.), showed a wide range of ophthalmoscopic instruments and emphasised the fact that they make a specialty of optical prescription work.

(66) S. H. CAMP AND CO., LTD. (252, Regent-street, W.), showed surgical supports of all kinds for use in general practice as well as by specialists. They claim that their patent and simple adjustment gives a unique, rigid, adaptable support.—(145) CLEMENT CLARKE LTD. (16, Wigmore-street, W.) presented their range of prosthetic appliances and introduced three new instruments; a luminous retinoscope, a Gann variable prism stereoscope, and apparatus for near-vision phoria test.—(141) STANLEY COX LTD (11, Gerrard-street, W.) demonstrated to visitors their Junior Intertherm portable diathermy apparatus, claiming for it simplicity of control and consistency of output; and also an inexpensive infra-red therapy stand.—(167) H. E. CURTIS AND SON, LTD. (7, Mandeville-place, W.), exhibited their well-known abdominal supports, trusses and colostomy appliances, and the "crossed hands" corset belt to lift the lower abdominal contents and give good figure-lines either during pregnancy and lactation or under normal conditions.—(34, 35) CUXSON, GERRARD AND CO., LTD. (Oldbury, Birmingham), had on view for the first time G.P. (general purposes) antiseptic and germicide, a permanent emulsion of parachlor-meta-xylenol with essential oils, the Rideal-Walker coefficient of which is 6·0. They also showed an antiseptic soap containing 10 per cent. of G.P. germicide. Their Adaptoplast outfit contains 126 pieces of medicated adhesive plaster cut into different shapes.

(65) DENVER CHEMICAL MANUFACTURING CO. (London, N.W.9) again had a stand to remind doctors that Antiphlogistine hygroscopic antiseptic poultice has now been on the market for over forty years and proved its worth.—(154) J. AND E. FERRIS LTD. (33, Museum-street, W.C.) exhibited the models of their artificial limbs of all kinds, and stressed the importance of studying individual comfort and detail in every case, and also the psychological effect of

making the artificial limb the exact counterpart of the good limb.—(18a) THEODORE HAMBLIN LTD. (15, Wigmore-street, W.) presented their usual range of ophthalmoscope instruments, including a new reading-lamp which throws reflected light on to the book; new telescopic spectacles; and recumbent spectacles which enable the patient to read when the head is resting on the pillow.—(4) HANOVIA LTD. (3, Victoria-street, S.W.) pointed out the new Centrosol lamp for clinic use whereby 8 to 20 patients can be treated simultaneously with uniform ultra-violet radiation in quite brief exposures; the improved Kromayer lamp (Model IV) with automatic water-cooling, better controls, quick starting and instantaneous adjustment; and the Ward model trolley-mounted ultra-violet lamp for bed-ridden patients.—(39) HAWKSLEY AND SONS LTD. (17, New Cavendish-street, W.) made a special feature of their Elliott treatment regulator for applying heat inside the orifices of the body; the new Lifetime baumanometers for blood pressure; the Lee sedimentometer photographic apparatus for automatic recording of the blood sedimentation-rate; and the materials used in Dr. Poller's moulding process for reproducing replicas of skin diseases, wounds, and limbs, to study their healing and scar-tissue formation.—(2) HOLBORN SURGICAL INSTRUMENT CO., LTD. (26, Thavies-inn, Holborn-circus, E.C.), presented a range of surgical instruments and spirit-proof cases for instruments, and especially indicated an ear syringe giving a continuous flow of fluid with automatic refilling device.—(143, 144) JOHNSON AND JOHNSON (GREAT BRITAIN) LTD. (Slough, Bucks) stressed the value of their new mask which consists of two layers of linen with Cellophane in between, thus making a safe barrier; they also showed Protus plaster-of-Paris bandages and slabs, and Elastikon elastic adhesive bandages.—(142) C. DAVIS KEELER LTD. (47, Wigmore-street, W.) selected from their ophthalmoscopic apparatus the Keeler Cardell polarised ophthalmoscope which they claim is the only one in the world which completely eliminates reflex; and a light prescribing unit consisting of a loose-leaf book with leaves representing every possible kind of reading work, and a lamp, the intensity of which can be varied and measured, so that the correct amount of light for any occupation can be prescribed.

(59) LONDON SPLINT COMPANY (18, Westmoreland-street, W.) presented a vast assortment of fracture appliances, including fully adjustable aeroplane splints; a new Kirschner apparatus; a fracture bed and frame enabling one nurse to take adequate care of the heaviest patient; and a plaster cast-cutter designed on a new principle.

(138) J. F. MACFARLAN AND CO., LTD. (32, Bethnal Green-road, E.), reminded visitors of the technique of Opoidine-Brisette anæsthetic administration in labour and showed their maternity outfit, a neat box containing Opoidine, scopolamine and four 20-minim brisettes of chloroform. These last are glass ampoules coated with cotton-wool; they can be broken with safety and used by the mother.—(36) MEDICAL SUPPLY ASSOCIATION, LTD. (167–173, Gray's Inn-road, W.C.), had a stand which seemed able to supply almost all the doctor's needs. They drew particular attention to the value of Dr. Teufl's pocket laboratory, a miniature apparatus for complete blood and urine analysis; the new Emesay proctoscope and the Emesay electrically driven breast pump.—(63) G. F. MERSON LTD. (Edinburgh) stressed the importance of a sterilised ribbon catgut suture, originally designed to meet the demand for an anti-necrotic ligature in nephrotomy and now used for various purposes, including repair of ventral hernia and in orthopædics. They also showed a new preparation of sterilised shredded surgical catgut for the packing of sinuses and for cranial surgery.—(92) MONSOL LTD. (Vincent House, Vincent-square, S.W.) had on view samples of their germicide Neo-Monsol; Monsola nasal spray compound, and Monsol throat pastilles, dental cream and gel.

(24) W. H. PETTIFOR (11, Victoria-street, S.W.) exhibited a number of electrical aids for the deaf, including electrical and mechanical instruments, which are prescribed, whenever possible, after personal test.—(43) PORTABLE X-RAYS LTD. (Power-road, Chiswick, W.) again had a stand to remind doctors of their valuable domiciliary service, which is increasing steadily year by year.—(86) PRENTIF LTD. (Long's-court, St. Martin's-street, W.C.) presented a wide range of contraceptives, both chemical and mechanical, and illustrated the fitting of caps by models showing the various types in position. They recommended (as accessory to a mechanical device) gelatin suppositories containing hexylresorcinol.—(135) RADIUM ELECTRIC LTD. (2, Stratford-place, W.), in addition to their Qray radio-active compress and radium Detectorgraph, introduced the Lister Radonator, constructed for the production of radio-active waters of any desired strength, and supplied to the medical profession only.—(23) RAYNER AND KEELER LTD. (100, New Bond-street, W.) featured Morey's operating head-lamp, with a specially comfortable head fitting and enclosed mirror, and the light brought back well to the root of the nose, which can be used with a battery or transformer. They also showed a new auriscope with a telescopic device, and an ophthalmoscope of up-to-date design at the price of the ordinary student's instrument.—(51) RECKITT AND SONS, LTD. (40, Bedford-square, W.C.), exhibited their Dettol antiseptic; Dettolin, a pleasant-tasting mouth-wash containing the same active principle; Dettol obstetric cream; and Steradent denture cleaner.—(12) W. J. RENDELL LTD. (161–165, Rosebery-avenue, E.C.) again showed their quinine contraceptive pessaries, which they have manufactured for over fifty years.

(88) SCHOLL MANUFACTURING CO., LTD. (182–194, St. John-street, E.C.), stated that they are now doing much work in making up supports from plaster casts to fit patients, or to comply with the doctor's prescription. They showed a new flexible non-metal arch support, and a new specially light metal one.—(62) A. G. SHELDON AND CO., LTD. (10 Nottingham-place, W.), exhibited their familiar sterilised dressings and referred to their special service of supplying surgeons' individual requirements. They introduced the Cesta mask, made by Robinson and Sons, Ltd.—(153) SHORT AND MASON LTD. (Aneroid Works, Walthamstow, E.) demonstrated once more their Tycos sphygmomanometers, and the Pavæx (passive vascular exerciser) apparatus for promoting collateral arterial circulation in the limbs.—(45) T. J. SMITH AND NEPHEW LTD. (42, Tavistock-square, W.C.), makers of Elastoplast elastic adhesive bandages and Cellona plaster-of-Paris bandages and slabs, have introduced the Elastolex Super Elastic cloth bandages made with Lastex yarn, to give firmer and more comfortable support than the usual crêpe bandage in the after-treatment of varicose conditions and fractures; also Elastoplast N.H.I. elastic adhesive wound dressings for insurance prescribing.

(157) SPARKLETS LTD. (Thames House, Millbank, S.W.) featured their resuscitator, and carbon-dioxide snow outfit, and introduced the new model "A" Hygienator which has a special patented gas control device, so that a spray can be produced at will at low, medium, or high pressure. Each carbon-dioxide refill will discharge the liquid contents of the hygienator six to eight times, and the cost of each application is only about one halfpenny.—(36a) EDWARD TAYLOR LTD. (Monton, Lancs) had further improved their Flexoplast elastic adhesive bandage which, they maintain, causes no irritation or dermatitis. They also showed their orthopædic strapping, which stretches crosswise and conforms to contours of the limbs; and pointed out that their first-aid dressings are now made with non-fraying edges. They showed a nine-year-old roll of strapping which was still in perfect condition.—(97) THE THERMOGENE CO., LTD. (160, Piccadilly, W.), presented their well-known medicated wadding and Thermogene

Vapour-rub.—(161) VICTOR X RAY CORPORATION LTD. (15–19, Cavendish-place, W.) demonstrated the Inductotherm short-wave diathermy unit; the Victor Model F portable shock-proof X ray unit; an electrocardiograph and an ultra-violet lamp.—(105) "WAITE'S" ANTISEPTIC LOCAL ANÆSTHETIC (7, Swallow-street, Piccadilly, W.1) exhibited a model of their well-known cartridge-type syringe, in which the syringe does not break but is loaded from the side. They have now combined their Cobefrin vasoconstrictor with their long-established Waite base in their local anæsthetic Procaine.—(18) THE WILSON RUBBER CO., LTD. (Trading Estate, Slough), presented, as usual, their rubber gloves—surgeon's, pathologist's, and obstetrician's; and seamless colostomy tubing.

### Foods, Drinks, and Vitamin Preparations

(100a) ALLEN AND HANBURYS LTD. (Bethnal Green, E.) showed their various milk foods, especially the humanised food for infants reinforced with Dextrin Maltose, a starch-free mixture of carbohydrates; and the Dextrin Maltose by itself for modifying the protein curd of cow's milk, and for invalid diets, especially when there is intolerance of fats.—(93) BOVRIL LTD. (148–166, Old-street, E.C.) described the medical uses of Bovril as "illimitable." The Australian and Argentine estates on which the progenitors of Bovril are reared now cover about 11 million acres.—(84) BRAND AND CO., LTD. (Mayfair Works, Vauxhall, S.W.), presented their well-known essences and meat-juice preparations, including Brandox, their balanced meat extract to which Vitamin Malt (containing vitamins A, B, and D) has been added.—(50) CADBURY BROTHERS LTD. (Bournville) presented a sugar-free chocolate sweetened with d-sorbitol, a hexahydric alcohol. They also dispensed Bourn-vita and drinking chocolate.—(46) CORN PRODUCTS CO., LTD. (Bush House, W.C.), made a specialty of their Dextrosol brand of powdered medicinal glucose, suitable for injection or oral administration; and their Karo-milk modifier, composed of non-irritant sugars.—(77–79) COW AND GATE LTD. (Guildford, Surrey) introduced two new products—a malted milk and Calcilac, a full-cream chocolate-flavoured milk with calcium gluconate added. They also showed their well-known milk and vitamin preparations, including glucose A.D., a pure medicinal dextrose fortified with vitamins A and D and calcium glycerophosphate.

(115) ENERGEN FOODS CO., LTD. (Willesden, N.W.), showed many of their dietary products, free from sugar or with reduced starch or increased protein, and introduced a new preparation, Energen chocolate, containing three times more protein than ordinary chocolate.—(72) HEUDEBERT DIETETIC PRODUCTS (Alperton, Middlesex) showed Fedulyse, which they claim promotes digestion of starch and avoids intestinal fermentation, and a "caffeine-free" coffee, containing only 0·08 per cent. caffeine.

(112) INGRAM AND ROYLE LTD. (45, Belvedere-road, S.E.) reminded visitors that they still import all varieties of natural mineral waters, including Vichy, Contrexéville, Karlsbad, Evian and nearly 40 others.—(49) KEEN, ROBINSON AND CO., LTD. (Carrow Works, Norwich), have added to their well-known Robinson's Barley and Groats, and Colman's Mustard ointment, a new drink, lime barley water. They stated that Almata, their "complete food," is being increasingly used for infants and invalids.—(52) LIBBY'S HOMOGENISED FOODS FOR BABIES (8, Great Tower-street, E.C.) pointed out that their homogenised foods, now established for babies, have also been found useful in gastric conditions of adults because the homogenisation breaks up the cell membranes and releases the intracellular food substances. From their selection of fruit juices they offered pleasant drinks, including a half-and-half mixture of tomato juice and milk, for those who cannot tolerate either singly.—(146) THE MARMITE FOOD EXTRACT CO., LTD. (Walsingham House, Seething-lane, E.C.), refreshed visitors with cups of their beverage, the value of which is further supported by recent research.—(68, 69) NESTLÉ'S MILK PRODUCTS LTD. (6–8, Eastcheap, E.C.) now market homogenised foods for infants in four varieties or combinations of vegetables, fruits, and soup. They also emphasise the value of their Lactogen roller-processed modified full-cream milk.—(126–130) TRUFOOD LTD. (Bebington, Wirral, Cheshire) had added to their well-known Humanised Trufood dried milk Follow-on Trufood, to secure nutrition from 10 to 24 months of age; a complete food table is given on each tin, providing a gradual increase in direct proportion to the physiological needs of the growing child.—(125) VIROL LTD. (Hanger-lane, Ealing, W.) once again had an amusing and ingenious exhibit to show the constituents of their well-known foods Virol, Virolax, and Virol and milk.—(85) VITAMINS LTD. (23, Upper Mall, W.) exhibited their vitamin preparations, of which Bemax, the wheat-germ $B_1$ food, is well known; and stated that Fertilol wheat-germ oil (vitamin E) has now been widely used for sterility and repeated miscarriage with satisfactory results.—(89) VITMAR LTD. (Southfields, S.W.), in addition to their Vitmar and Callard's food for diabetic and obesity diets, introduced a new Regent bread, one loaf representing one black line of the black-line ration diet.

### Books, Spas, and Miscellaneous

(21, 22) BAILLIÈRE, TINDALL AND COX (7 and 8, Henrietta-street, W.C.) had a wide range of books published by themselves and other firms, and particularly pointed out, among others, the fifteenth "Coronation" edition of Rose and Carless's Surgery; A Manual of Practical Anatomy, by J. E. Frazer and R. H. Robbins; The Physiological Basis of Medical Practice, by C. H. Best and N. B. Taylor; and The Single Woman and her Emotional Problems, by Laura Hutton.—(60) BATH reminded visitors of the treatment in which it specialises, and drew attention to the International Congress on Rheumatic Diseases and Hydrology which is to be held next spring to celebrate the bicentenary of the Bath Royal National Hospital for Rheumatic Diseases.—(53) BUXTON emphasised that spa treatment is no longer the prerogative of the rich, and claimed that the course of balneotherapy obtainable at the Derbyshire Spa is now the cheapest in the country.—(9) THE GAS LIGHT AND COKE CO. (84, Horseferry-road, S.W.), in addition to their gas fires and water heaters, exhibited a new central heating apparatus, the Vek heater. This neat unit, 20 by 10 in., is equivalent to a six-loop water radiator, and makes it possible to provide central heating for single rooms at a small cost.—(152) HARROGATE reminded doctors of the diversity of its 88 waters, 16 of which are used internally, and reported on the successful results of the Fango medicinal mud.—(32, 40, and 41) H. K. LEWIS AND CO., LTD. (136 and 140, Gower-street, W.C.), presented many text-books and pieces of equipment for the consulting-room, and pointed out their simple and handy card-index systems; roll-top panel record cabinets, and hand-painted shields of the arms of universities, colleges, and hospitals. Among their wide range of medical text-books they specially mentioned McLaggan's Diseases of the Ear, Throat and Nose; Roxburgh's Common Skin Diseases; the second edition of Gabriel's Rectal Surgery; Clay's Sanitary Inspector's Handbook; Hamilton Bailey's Diseases of the Testicle; and the third edition of Bailey and Love's Short Practice of Surgery.—(76) The MEDICAL PRESS AND CIRCULAR (8, Henrietta-street, W.C.) exhibited copies of their journal and the third volume of their Modern Treatment in General Practice series; a fourth volume will be ready early in the new year.—(54) The MEDICAL SICKNESS ANNUITY AND LIFE ASSURANCE SOCIETY LTD. (300, High Holborn, W.C.) as usual had a stand to remind doctors of their valuable services in pension

*(Continued at foot of next page)*

# CORRESPONDENCE

## CLINICAL FACILITIES FOR WOMEN STUDENTS AT THE WEST LONDON HOSPITAL

*To the Editor of* THE LANCET

SIR,—Last April you published a letter from me in which I pointed out that the combined efforts of the University of London and the West London Post-Graduate College were being directed to the problem of providing further facilities in London for women students who had passed the second M.B. examination.

As mentioned in the last issue of your journal (p. 976) these efforts have at length borne fruit. Last July the senate of the University, on the recommendation of the Council for External Students, passed a resolution extending recognition to the West London Hospital subject to the approval (required by the Statutes) of His Majesty in Council. I have this week been informed that the approval of the Privy Council has been granted.

In point of fact a small number of students, who were unable to find places in other schools and who had the courage to anticipate the action of the Privy Council, have actually started work. A material number of applications for next year has already been received, in spite of the fact that little publicity has as yet been given this aspect of our educational activities.

It may appear to some that London is sufficiently well provided with medical schools but, until the large hospitals cease to exclude women students, there must be room for a school which is prepared to accept students irrespective of their sex. At the present time it is impossible to say whether the West London will develop into a school for women only, but it is certain that women students will never be at a disadvantage here since our object has been to help to solve the difficulty in which so many of them find themselves.

It is not proposed that the proportion of students should ever exceed one per three beds which is recognised as the optimum "load" which a hospital can carry. It will be some years before anything approaching this figure can be reached (the hospital contains 239 beds) and there is no immediate intention of abandoning the post-graduate work which this College has been successfully carrying out for the past forty years.

I am, Sir, yours faithfully,

MAURICE E. SHAW,
Oct. 23rd. Dean, West London Post-Graduate College.

## CHRYSOTHERAPY

*To the Editor of* THE LANCET

SIR,—We feel that some of your criticism of our work on the treatment of arthritis calls for comment. We are fully aware of the importance of a control series of patients in any therapeutic experiment but, as we have pointed out, we have not felt that there was the necessity in the present case. Though admitting the variable progress of many cases of rheumatoid arthritis there can be little doubt that if untreated the disease pursues a downhill course, and most of those who have had a large experience of this disease will admit that hitherto there has been little or nothing that will arrest its progress. This has been borne out by some hundreds of our patients who had already been subjected to every known form of treatment, with little or no result. It is probably true that many of the milder and earlier cases might have improved in the four years during which they have been observed, but we would again draw your attention to the fact that in over three hundred of our patients the disease had already been present for more than five years when the gold treatment was commenced. A strict control would consist in observing a large group of patients in the same stages of the disease over an equal period during which no treatment should be given, though to remove the possibility of suggestion they should perhaps be given a course of injections of *saline*. We should welcome such an investigation.

We are aware of American scepticism. It is interesting that no form of *medical* treatment which carries any kind of risk is tolerated in that country although, as in most other places, no such limitation is placed on surgical procedures. It is an interesting reflection that major operations, often with an accepted mortality of up to 5 per cent. or even more, are frequently undertaken for conditions less incapacitating than rheumatoid arthritis and which in themselves are not likely to prove fatal. Until something of greater value is discovered we feel that gold treatment of arthritis should be undertaken in the same spirit. The introduction of salvarsan was followed by considerable mortality, and death resulting directly from treatment is still an occasional occurrence in every V.D. clinic, but there can be few people who can have any doubt as to the value of the candle in this particular game. You suggest that further large experiments on the Leeds scale are necessary, but is this really the case? Some 2000 patients have been treated during the past eight years in various parts of Europe and the recorded results have proved both the value and the limitations of the treatment. There is probably nothing further to be gained by repeating these observations, and in our view attention should now be turned to the mode of action of gold and especially to the prevention and treatment of toxic reactions. But, following your suggestion, should other observers choose to repeat our investigations, we cannot agree that there are few institutions in a position to do this; the Leeds Public Dispensary and Hospital,

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(*Continued from previous page*)

and insurance schemes.—(25) OXFORD UNIVERSITY PRESS (HUMPHREY MILFORD) (Amen House, Warwick-square, E.C.) specially pointed out the following books: the fifth edition of Price's Textbook of the Practice of Medicine; Drug Addiction, by Adams; The Subnormal Mind (second edition), by Burt; Facial Neuralgias, by W. Harris; Pocket Atlas of Anatomy, by Pauchet and Dupret; Physiology and Pathology of the Heart and Circulation, by Plesch; Hay Fever, by Shields, and the seventh edition of Tweedy's Practical Obstetrics.—(139) The PRACTITIONER (5, Bentinck-street, W.) showed their special October issue on advances in diagnosis and treatment during the current year, containing articles on advances in all the chief specialties. They also drew the attention of visitors to the booklet describing the new home of their journal in Bentinck-street.—(17) JOHN WRIGHT AND SONS, LTD. (Bristol), exhibited a number of their medical books and especially pointed out the bound volumes of the *British Journal of Surgery* and the *Medical Annual*, and Semon and Moritz's Atlas of the Commoner Skin Diseases.

where all this work has been done, has five resident medical officers and forty beds only!

The suggestion that the therapeutic value of gold salts may be due to their sulphur content only has been made before. One of the preparations we have used is a simple salt—gold sodium thiosulphate; perhaps the Japanese and other workers who subscribe to the above view would like to investigate the value of weekly injections of sodium thiosulphate in the treatment of rheumatoid arthritis, and we shall await the results of such an experiment with interest.

In reply to Dr. Warren Crowe, the objections raised by him appear to depend largely on diagnosis. We do not quite understand what he means by "infective arthritis." As stated in our paper we have followed the classification suggested by the British Medical Association committee (1933), in which rheumatoid arthritis is divided into primary and secondary types, the latter being associated with an obvious focus of infection. We have made no such attempt to subdivide rheumatoid arthritis; we believe that such a division is to some extent artificial, for in our experience ordinary examination has usually failed to reveal such a focus. But surely the term infective arthritis is usually understood to include all these cases, and rheumatoid arthritis is a form of infective arthritis? We do not agree that "ordinary infective arthritis is probably a form of osteo-arthritis," and suggest that most other workers share our views. We recognise however that in the later stages osteo-arthritic changes may develop. It therefore appears that Dr. Crowe is claiming good results from vaccine treatment for what we call rheumatoid arthritis, but what would fall into the subdivision "secondary" rheumatoid arthritis in the B.M.A. classification.

With regard to the vaccine treatment of what Dr. Crowe calls "rheumatoid arthritis," we have no personal experience, but we would again point out that 79 of our patients have been previously treated with vaccines (in many cases given by Dr. Crowe himself), and in this group at any rate the value of vaccine speaks for itself. As Dr. Crowe claims a recovery-rate of 100 per cent. in the early stages of true rheumatoid arthritis with vaccine treatment, we wonder whether this classification is determined by the results of vaccine therapy.

We are, Sir, yours faithfully,

STANLEY J. HARTFALL,
HUGH G. GARLAND,
WM. GOLDIE.

Leeds, Oct. 25th.

*To the Editor of* THE LANCET

SIR,—I take exception to Dr. Warren Crowe's criticism of the statement made by Prof. Hartfall, Dr. Garland, and Dr. Goldie "that gold is the best single method of treating rheumatoid arthritis." In September, 1932, I started to use gold in rheumatoid arthritis and since that date have treated close on a thousand cases. I have never had any serious complication or fatalities. I put this down to careful selection of cases and to using only small doses. I entirely agree with Prof. Hartfall, Dr. Garland, and Dr. Goldie that gold is the only remedy that has produced revolutionary results in rheumatoid arthritis. My personal experience of vaccines for rheumatism has been most disappointing even after prolonged trial.

I am, Sir, yours faithfully,

V. HETHERINGTON.

Berkeley-court, N.W., Oct. 26th.

## SUBCUTANEOUS EMPHYSEMA IN DIPHTHERIA

*To the Editor of* THE LANCET

SIR,—Having read with interest the article by Dr. Burton and Dr. Weir in your issue of Sept. 25th (p. 740) on subcutaneous emphysema arising in a case of diphtheria, I should like to describe a similar condition which I encountered a few months ago.

The patient, a boy aged 2, was brought to me complaining of a sore-throat and a rash dating from the previous night. His temperature was 103° F. and the tonsils were covered with thick membrane. Bacteriological examination of a throat-swab showed the presence of Klebs-Löffler bacillus, and the patient was given 14,000 units of diphtheria antitoxin, this dose being repeated on the five following days. His condition improved steadily but on the fifth day he suddenly became distressed and had difficulty in breathing. There was swelling over the front of the neck and upper part of the thorax, and this proved to be subcutaneous emphysema. Local applications, with pressure and massage caused it to disappear in a few days. The child has completely recovered and is now in perfect health.

I am, Sir, yours faithfully,

HASHIM AL WITRY.

Medical Unit, Royal Hospital, Bagdad, Iraq, Oct. 16th.

## SULPHANILAMIDE FOR GONORRHŒA

*To the Editor of* THE LANCET

SIR,—In your issue of Oct. 16th Surg.-Commander Crean reports a series of cases of gonorrhœa treated with Prontosil and sulphanilamide. It is difficult to decide when gonorrhœa may be considered cured, and the tests of cure employed in these cases seem of doubtful value. The following criticisms are suggested.

(1) Subcutaneous injection of gonococcal vaccine is not a very effective provocative agent; intradermal administration is more potent. Experience in the Salford Clinic, in which both gonococcal vaccine and milk protein (Aolan) are used as routine tests by the intradermal route, emphatically demonstrates that the latter product is the more effective. Positive results are frequently obtained with aolan when vaccine has not elicited a response.

(2) Is there any agreement as to when prostatic involvement may be detected in acute gonorrhœa? If a control series of cases, treated by any other method, or indeed not treated at all, were investigated on the eleventh day of the disease, what proportion of them would show evidence of prostatic infection?

Surg.-Commander Crean quotes some of his case records in his article. Concerning Case 1, he states that follow-up records show "no signs of relapse after 37 days at full duty." The following are notes on a case in no sense unique but merely the most recent of many.

The patient attended once on July 27th, 1937, with gonorrhœa of one week's duration. He had one posterior irrigation with 1/20,000 potassium permanganate solution; he did not attend for further treatment. Returning on Oct. 19th he had no clinical signs, and said that all signs had disappeared within about ten days of his first attendance. He has spent approximately 70 days at full duty, without signs of relapse. May one then conclude that he is cured, and that absence of treatment is the most effective method of dealing with gonorrhœa?

In Case 6 we are given no evidence to prove that the case was gonorrhœal; there is a certain probability in the facts published, but scientific investigation demands more than that. To Case 14 the same remarks apply as for Case 1. Case 24, a return case with epididymitis, had no discharge, and no gonococci

in an artificially produced discharge; but does one expect invariably to find discharge, or to demonstrate gonococci in such a case? The complement-fixation test was not done. I do not suggest that it would decide the diagnosis, but it would be useful additional evidence.

The possibilities of treatment with prontosil are so very attractive that work with it is to be welcomed, but care in assessing results is very necessary. It will be in the mind of all that on the introduction of arsphenamines in the treatment of syphilis undue optimism and low standards of cure led to the acceptance of inadequate amounts of treatment, with results whose full effects are still to be seen in late recurrences of syphilis in those "cured" in earlier years. This consideration, together with the long list of previous "specifics" for gonorrhœa must undoubtedly urge extreme caution, and stringent standards of cure in determining the value of even such potent substances as prontosil.

I am, Sir, yours faithfully.

R. C. WEBSTER.

Municipal Clinic, Salford, Oct. 20th.

### X RAY KYMOGRAPHY

*To the Editor of* THE LANCET

SIR,—I notice with regret that in your annotation of Oct. 9th (p. 859) you state that kymography has not so far been used in this country. Actually I devised a kymographic apparatus some twelve months ago and installed it in the radiological department of the London Chest Hospital where it has proved of considerable value in the investigation of many chest conditions. It is particularly of use in the differential diagnosis of aneurysm and new growth, and in the examination of obscure cardiac conditions.

I am, Sir, yours faithfully,

FRANKLIN G. WOOD.

Harley-street, W., Oct. 26th.

### MY POST-BAG

*To the Editor of* THE LANCET

SIR,—M.P.S. asks if I am attracted to any products at all. Of course I am. But should he ask if I am attracted to any products in particular the reply is, I am not. The fact that I am familiar with the names of (let us say) one brand of elastic dressing, of the active principle of digitalis, of kaolin poultice, of petroleum jelly, of posterior pituitary extract, and so on, I attribute more to the practice of the hospital in which I was educated (and so presumably to the efforts of travelling representatives) than to any printed propaganda at all.

And to answer his other question; I can bear any advertisement without resentment. The fact that I am personally a keen student of all his and his colleagues' announcements does not prevent me from recognising that few have like pursuits. I have never met a medical man, in practice or out of it, who does not throw in the wastepaper basket all advertisements of whatever kind, as soon as they are revealed as advertisements.

My gentle thrust at these methods is really caused by two considerations: firstly, What a waste! Has M.P.S. not seen the corner of every doctor's dispensary which is full of these wretched bottles and jars and boxes? Has he ever heard of any of them being used? Can he imagine that anyone would consider a trial on such a quantity of any value at all? Does he think that any practitioner has the time to try larger amounts and to control these against standard preparations? It can hardly be possible that he does, and so he lets his firm in for the colossal cost of sending out oceans or millions or clouds of his liquids or tablets or powders, in the hope that one or two may catch on. It reminds one of the anemophilous trees or of the lobsters!

My second point, that it is a misjudged expenditure, is rather strengthened by M.P.S.'s remark that he thinks postal advertising "from the doctor's point of view the most convenient and time-saving way of drawing attention to a product." Can he really think so? True, the makers of garden ornaments and bulbs, of bassinettes, of groceries, of wines and cigars, of . . ., and of . . . , think so too; but when does he suggest that we should read them? Must we have an hour and a half for breakfast (with the surgery filling up) or must we have a sort of children's hour at 4.30, with tea and a stenographer?

I am, Sir, yours faithfully,

Oct. 22nd. POSTMAN'S FRIEND.

*To the Editor of* THE LANCET

SIR,—Your correspondent Postman's Friend can relieve himself of the bulk of his propaganda mail by writing to the central addressing companies which include: the Chadwick-Latz Co., the Addressing Co., and the B.I.A. (British and International Addressing). The remainder, representing a few firms only, can be suppressed by writing to these firms individually.

I am, Sir, yours faithfully,

Gordon-square, W.C., Oct. 23rd. M.B., B.S.

## PARLIAMENTARY INTELLIGENCE

### Reassembly and Prorogation

PARLIAMENT reassembled on Oct. 21st after the summer recess, when a debate took place in both Houses on foreign affairs, and was prorogued by Royal Commission until Oct. 26th. The King's Speech, which was read by the Lord Chancellor, recorded the provision of facilities for recreation and healthy outdoor activity, more especially for the younger members of the community, and the greatly improved provision made for securing the safety and health of factory workers.

### The New Session

On Oct. 26th the new session of Parliament was opened by His Majesty the King in person. In the course of the Gracious Speech from the Throne His Majesty said:—

My Ministers are anxious that energetic steps shall be taken to complete the measures for the protection of the civilian population against air raids. A Bill to put the necessary arrangements on a statutory basis will be brought forward for your consideration.

My Government have announced their intention to assist the production and to increase the consumption of milk and to facilitate the improvement of milk distribution. A Bill to this end and further proposals for the welfare of agriculture will be submitted to you. A comprehensive publicity campaign is being undertaken to ensure the fullest use of the public health services and to encourage their expansion. The policy of improving housing conditions will be energetically pursued.

My Government will further develop their social policy by introducing legislation to enable meals to be supplied to boys and girls attending junior instruction centres; to provide medical care for young persons who have left school and entered employment; to reduce the age limit for the award of pensions to blind persons; to enable further information to be obtained for the study of the population problem; to amend the financial provisions

for slum clearance and the abatement of overcrowding; and to make further provision for the improvement of agricultural housing.

A Measure will be laid before you to amend the penal law and to enable improved arrangements to be made for dealing with offenders, including juveniles and those who commit repeated offences.

## QUESTION TIME

THURSDAY, OCT. 21ST

### Cost of Living and Unemployment Relief

Mr. SHORT asked the Minister of Labour whether, owing to the increased cost of living, he proposed to amend the regulations to enable the Unemployment Assistance Board to improve the allowances to beneficiaries.—Mr. ERNEST BROWN replied: Any proposals for the amendment of the unemployment assistance regulations must be made in the first instance by the Unemployment Assistance Board. The Board inform me that they have had under consideration the fact that changes in the price of some commodities together with the coming of the winter months may create circumstances which need to be specially taken into account. They have, therefore, decided to make use of their existing powers in order to issue instructions at once which will authorise their officers to deal with any cases of hardship that may arise in these circumstances. I will place a copy of these instructions in the Library as soon as they are issued.

Mr. A. BEVAN: Is it not the fact that the new circumstances can only be met by revised scales; and should not these scales be submitted to the House?—Mr. BROWN: At the moment the Board consider that they can act within their existing powers.

### Holidays with Pay

Mr. ROLAND ROBINSON asked the Minister of Labour whether he could make a statement of the present position of holidays with pay in industry; whether the committee on the subject had yet reported; and whether he would publish the committee's findings together with the evidence. —Mr. ERNEST BROWN replied: I am glad to say that during recent months there has been an increase in the number of collective agreements providing holidays with pay in industry. I estimate that the number of workpeople now covered by collective agreements between organisations of employers and workpeople which provide for paid holidays is between 2½ and 2¾ millions. There has also been an increase in the number of individual firms giving holidays with pay, but there are no figures available as to the number of workers employed by such firms. The committee, under the chairmanship of Lord Amulree has a considerable amount of important evidence still to hear before it reports.

### Inquiry into Night Baking

Mr. BANFIELD asked the Home Secretary whether he had given further consideration to the report of the committee of inquiry into night baking; and if he could make a statement on the matter.—Mr. GEOFFREY LLOYD, Under-Secretary, Home Office, replied: Yes, Sir. The report was by a majority against statutory prohibition of night baking, but suggested that some recognised body should be set up on which representatives of both sides of the trade would meet together and devise means for improvement of conditions. As the hon. Member is aware, negotiations for this purpose have already been opened by my right hon. friend, the Minister of Labour. At a conference attended by representatives of the two sides of the trade on Sept. 21st, it was unanimously agreed to set up two committees—one for England and Wales and one for Scotland—consisting of representatives of the employers' and workpeoples' organisations, to formulate a scheme for securing the effective joint regulation of wages and working conditions and to report back to the full conference.

### Factory Safety-first Committees

Mr. SHORT asked the Home Secretary how many factory safety-first committees were in being; whether they met with regularity; what industries were affected; and how many committees had been formed since July 31st.—Mr. GEOFFREY LLOYD replied: The factory inspectors are aware of some 1250 such committees, of which 18 have been formed since July last. The great majority of these committees meet regularly. They are found in a wide variety of industries, but more particularly in the chief accident producing industries such as the iron and steel industries and docks. The Home Office propose to approach the employers' representatives again this autumn with a view to further steps being taken to extend and accelerate the movement.

### Influenza Inoculation in the Army

Mr. GROVES asked the Secretary of State for War whether the arrangements made in December, 1936, to inoculate against influenza 500 men from five corps were carried out; if so, whether any of them, and, if so, how many, subsequently developed influenza; and what was the interval in each case between the inoculation and development of influenza.—Mr. HORE-BELISHA replied: 678 men who volunteered were inoculated against influenza; of these 18 developed illnesses diagnosed as "influenza," 10 during the first, 2 during the second week, and 6 more than two weeks after inoculation. The inoculations were carried out at the time when the influenza epidemic was at its height. Before any beneficial effects of inoculation could have had time to operate the general influenza incidence had become so low that no conclusions as to the efficacy of the inoculations can be drawn.

FRIDAY, OCT. 22ND

### Incapacitating Sickness among Insured People

Mr. RHYS DAVIES asked the Minister of Health whether he would issue reports for England and Wales, respectively, on the lines of the Scottish Report on incapacitating sickness in the insured population.—Sir KINGSLEY WOOD replied: I am considering the general question of a comprehensive investigation into the extent and incidence of various forms of incapacitating sickness among insured persons, but I am not yet in a position to say in what form the results of any such investigation would be made generally available.

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MANOR HOUSE HOSPITAL, LONDON.—The Industrial Orthopædic Society has raised over £30,000 towards the £50,000 needed for extensions at this hospital.

EAST HAM MEMORIAL HOSPITAL.—A children's ward and a maternity ward are to be added to this institution at a cost of £30,000. Lord Bethell, the president of the hospital, is giving half the sum needed for the children's ward and the East Ham town council is making a grant of £15,000 to cover the cost of the maternity ward. The council will pay for the maintenance of the 16 beds, for which it is thought £2400 will be needed annually.

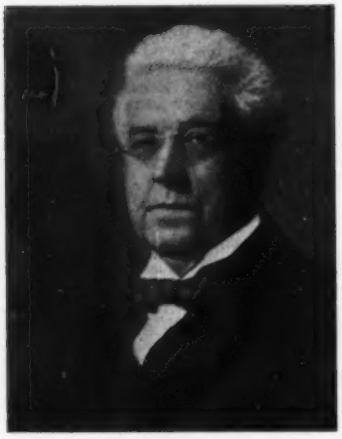
DELINQUENT CHILDREN.—Opening the new remand home for juvenile delinquents at Hull last Saturday, the Home Secretary said it had been provided under the Children Act of 1933. Its main purpose was to serve as an observation centre whose reports would assist the court in deciding on their best course for the welfare of the child. He congratulated Hull education committee on being the first in the field. Under this Act remand homes are provided for children under the age of 17; there was urgent need, he thought, of observation centres for youths up to the age of 21. He was, he added, at present engaged in working out a plan for the scientific investigation of juvenile crime. Approved schools he preferred to regard as part of the educational system of the country rather than part of the penal system. What he would like to ascertain was whether the children who came before the juvenile courts were recruited from the class whose intelligence quotient fell between 85 and 70. If it should be found that an abnormally high number of dull children were getting into mischief, more attention should be paid to remedial treatment at school.

# OBITUARY

## WILLIAM WRIGHT, M.B. Manch., D.Sc. Birm., F.R.C.S. Eng.

AFTER a year of illness Prof. William Wright died on Oct. 21st at his home at Gerrards Cross. He had held his chair of anatomy at the London Hospital since 1908, and for more than a quarter of a century was dean of the medical college. By a very large group of former students and examination candidates he will be remembered for his kindness, and his death at the age of 63 is a loss of learning and scholarship that had earned the respect of many different kinds of men.

William Wright came of Lowland Scottish parents. A friend who knew him as "a tall lanky schoolboy with a shock of black curly hair and friendly grey eyes" writes of his father as "observant, silent, but not dour" and of his mother as "very ambitious for her boys, of tremendous vitality, rigid character, and a great lover of literature." Wright's own interests were at first purely literary, and it may have been his mother's illness and early death that turned him to medicine. He went to Owens College, Manchester, and graduated in 1897. Thereafter he had some small experience of general practice at Ince in Cheshire—a harsh experience amidst poverty, sordidness, and ugliness, which made a deep and unhappy impression on him. His bent was towards academic work, and his choice, when it was made, was anatomy. Demonstrator with Young at Owens College, then lecturer with Windle at Birmingham, he began his friendship with Hayes, Granville Bantock, Churton Collins, and Macneile Dixon, whose Saturdays and Sundays together in Shakespeare's country—on the cycle, in inns, and in Hayes's cottage—were devoted to the study of flowers and birds, of music and poetry. Wright loved tradition and became more and more absorbed in archæology; his holidays were spent digging in the long barrows of the Gloucestershire wolds or at Driffield, and his anatomical papers recorded much of what he found. From Birmingham in due course he came to London as lecturer and sub-dean at the Middlesex Hospital, and when Sir Arthur Keith's chair at the London Hospital fell vacant Wright succeeded him. As a teacher he had great facility with chalk and an apt analogy on his tongue, with a feeling, amounting to a passion, for elucidation.



PROF. WRIGHT
[*Photograph by Elliott and Fry*

His record as an anatomist is a full one. He was Hunterian professor of the Royal College of Surgeons three times (1907, 1909, and 1913), his three years of office covering no less than eight lectures. The first group of lectures was anthropological, on the Prehistoric and Early Inhabitants of England. The second group was anatomical, and included valuable contributions to our knowledge of the Morphology and Variations of the Skull. The two lectures in 1913 embraced his studies of the comparative anatomy of the elephant—which work was based on his own laborious dissections. Other important lectures which he gave were studies of anatomical history. Thus his two Arris and Gale lectures (1919) dealt with Da Vinci, and the subject of his two Vicary lectures (1925 and 1934) were Mediæval Conceptions of the Anatomy and Physiology of the Central Nervous System, and Galen on the Eye. His recent papers establishing the identity of the Princes in the Tower are fresh in the memory and have been reviewed in these columns (1936, **1**, 1367). At first treasurer, and later president, of the Anatomical Society, he made many contributions to the society's meetings and to the *Journal of Anatomy*. Typical of these were his Reports on Teratological Literature prepared for many successive years: they were full, accurate, carefully classified, and with complete references. His public lectures had the same merits, for they were always the result of untiring research, composition and recomposition—in short of an ultra-conscientious care characteristic of everything he did. But the lectures were not mere catalogues, for the sequence was perfect, and the combination of learning, oratory, and humour made them a pleasure to listen to. With Parsons, Wright was the author of a handbook of practical anatomy designed especially for the primary fellowship examination, which book survives in a different form in the "Six Teachers' Anatomy" and the "Six Teachers' Anatomy for Dental Students." For the writing of such a book he had exceptional qualifications, for he three times served the full five-year period as examiner for the primary fellowship (1914–19, 1923–28, 1929–34), whereas no other examiner has yet served more than twice. When in 1929 "the primary" was first conducted overseas it was Wright who was chosen to go to Canada as senior examiner, and of the seven overseas examinations so far held by the Royal College of Surgeons he took part in five. He valued immensely these opportunities of extending the influence of his college, and he also enjoyed the affection with which he was received by gatherings of old students in Montreal and Toronto, Melbourne and Dunedin, Madras and Bombay. The affection was fully justified, for he knew every man that had ever sat under him. As an examiner he was sometimes thought forbidding; and indeed he could be coldly inimical to bluff; but the conscientious examinee, however poorly equipped, could be sure of his chance, for Wright was patient and kind to the last degree. There can be few universities in the British Isles where he had not examined in the past thirty-odd years, and to his own University of London he gave unsparing service as a member of no less than five boards of studies.

Wright was a fellow of the Society of Antiquaries, a member of the Zoological Club, and a very active member of the Royal Archæological Society and of the Anthropological Society. But amid his many activities and occasional honours he preserved great simplicity of character. He loved the good things of life when they came his way; nobody better enjoyed a hospital dinner, or gave himself up with more perfect adaptability to the atmosphere of the occasion. But he loved also a very simple home life, his beautiful garden, his arm-chair and his books and,

above all, his friendships. It is said of him that "if one had the privilege to be his personal friend, that friendship had its roots in his soul; he would not fear to rebuke his friend, for the rebuke would be only a ripple on the deep water." "In all his business and social relations," writes another of his intimates, "William Wright could not be devious; his only alternatives were truth or silence. His generosity was well known and his poor purse, an academic one, open to anyone in need. Of course, advantage was taken of him; he took risks, but did not bear a grudge.

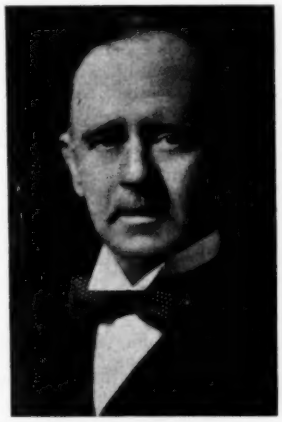
"Indifferent to games, except cricket, which he did not play, he played a poor game of golf and worse of tennis. His real recreation was walking and observing. An extraordinarily knowledgable man, his stories of men and events were told with a dramatic touch; they were occasionally masterpieces of direction and condensation. In spheres other than those he made his own he was silent but receptive. How he enjoyed the Saturday Savage nights and their joyous camaraderie. He was undoubtedly a bohemian, but was punctilious and even conventional where other's feelings might be involved. During the last years of his life he began to realise more and more his ambitions by a visit to Greece with Cecil Harmsworth and Macneile Dixon, and by his travels to the Dominions and finally to India, making this journey a really exciting one by air. Latterly the short holidays, Easter and Whitsuntide, were spent in tours of discovery among abbeys and churches and castles. With a friend and myself three years ago he followed inch by inch, so to speak, the journey of Edward V from Ludlow to the Tower, marking out every conceivable halt. Two years ago he insisted on getting local colour on Richard III at Middleham, and I shall not forget his delight throwing down the gauntlet and engaging in wordy combat with a champion of Richard's, Dr. Cockcroft. Last year was the last of his wanderings for during them ominous symptoms made their appearance. Since November last he had been an invalid, and though he resumed his work at the London for a short time he was compelled to give it up. He never realised the significance of subsequent post-operative symptoms and looked forward intensely to the time when he might pursue, without break, his investigations which clamoured for solution. What a warm and friendly picture he has left us."

Prof. Wright married in August last the widow of Dr. W. T. Gwynne-Jones. Of his two brothers one died as a young man and the other, Lieut.-Colonel Andrew Wright, died in India soon after the late war.

## FRANCIS WILLIAM O'CONNOR, M.R.C.S., D.T.M. & H.

Prof. O'Connor, who died on Oct. 2nd at the age of 53, had spent the last 15 years of his life in America. Qualifying from St. Bartholomew's Hospital in 1907, he took the Cambridge diploma in tropical medicine in 1913, and after holding a post in Formosa served with the Royal Army Medical Corps in France, Egypt, and Salonika. Returning to England he was appointed assistant medical entomologist at the London School of Tropical Medicine. For the following account of his subsequent work we are indebted to his friend Colonel Clayton Lane:—

"A student and steadfast admirer of Manson, O'Connor's first great opportunity for working on Manson's special subject, filariasis, came when he went as head of the expedition sent by the London School of Tropical Medicine to the Ellice, Tokelau, and Samoan Islands in 1921–22. Looking back, three features of his character showed up strikingly here. His thoroughness came out in the way in which in one day with 50 men he drained and trimmed all tree holes and cleared all the undergrowth on the islet of Funafulla, and, setting on fire the heaped bushes, burnt and smoked out aedes and destroyed their breeding-places; in 1933 D. C. N. Macpherson, after spending three years there, wrote to him that so impressed were the native inhabitants by his results that they had since given their labour free to do as he had shown them, and that in the event the place had become a health resort. O'Connor's close microscopic observation is seen in his description of the presence of degenerate microfilariæ in the blood in his great collection of smears. Lastly there was his reluctance to write up his work (for the report on his Pacific investigation was largely not from his hands)—a persisting dislike, for his words in 1935 were 'writing is torture for me.'



PROF. O'CONNOR

"So it came about that in 1922 he accepted an invitation from the Rockefeller Foundation to go to the United States for a year to do antimalarial research. The one year became five, at first field work under S. T. Darling, and in 1924 administrative work under R. M. Pearce. It led to steady promotion and, through Pearce when opportunity came, to an associate professorship at Columbia University, New York. Here with congenial work and colleagues he was even happier than he had been under Pearce. Then he, and he only, took up a testing of the writer's conclusion that microfilarial periodicity in Bancroftian filariasis was due to a simultaneously timed birth of the embryos, some of the evidence for which he brought forward at a meeting of the Royal Society of Tropical Medicine in 1931. The method he worked out for doing so is well shown in his statement that on his return from this visit he found waiting for him 26,000 sections from one case. It sounds impossible but is in fact an illustration of his methods. He had found that, with serial sections of a certain thickness, examination of every twentieth would show evidence of a worm if one were present; accordingly all the sections, cut of that thickness from a block of tissue, were put aside in strict order in sets of twenty and every twentieth examined. If this showed a worm, or evidence of its nearness in tissue change, all sections concerned in both directions would be stained and mounted, and in this way the worm and its surroundings could be easily reconstructed. Further he satisfied himself that in the same body or excised tissue the young of all female worms alive at the time of the host's death or operation were at the same stage of intra-uterine development, with parturition timed somewhere near 2 P.M. Again his extensive sectioning of liver and spleen showed that there might be found in them a massive

destruction of microfilariæ, any timing of which condition he did not live to determine. It was by making full use, on these lines and under his own supervision, of his skilled and devoted staff that his striking results were got.

"Visits to Antigua, Porto Rico, and the Virgin Islands added to his extensive material on this filariasis, the collection and investigation of which were broken into by his inquiry into the epidemic of amœbic dysentery in Chicago. Cases from there had begun to appear in New York by November, 1933, and when he was sent to Chicago to take a part in the investigation into its cause (selected, he supposed, on account of his association with C. M. Wenyon in the inquiry at Alexandria into the outbreak of dysentery among troops during the World War) he insisted on living in an infected hotel and drinking freely of the water as laid on. In fact he used himself as a test animal in the question of water carriage of the infection, and in the end himself formed one of the links in the chain towards proof that so it was. But his enthusiasm for truth blinded him to the consideration, with which antivivisectionists will cordially disagree, that he was far too valuable an experimental animal to be so used. True he escaped with his life, a tired-out life, and was made emergency consultant to the United States Government and president of the section of tropical medicine at the Pan-American Congress held at Rio in 1935. With his usual energy he threw himself into filarial work in the Virgin Islands in June, 1936. It broke him up, yet he wrote at the end of that year that he had never been in better train for work, and hoped to put this through in the peace of his own secluded 'farm' where he had a laboratory generously fitted up for him by a friend. On its walls Manson's likeness had the central place. His plans for future work were ambitious, and entailed, besides the working up of his St. Croix material, a history of disease among the slaves in that island, and a book on filariasis for which he had collected a mass of material. Yet he made at that time significant inquiries as to a possible literary executor. It was the energy with which he threw himself into the writing of two papers now under publication that brought the end; but he was (surely for the first time) so happy in their writing that no protest was felt possible. He would have had it so.

"There has passed on a lovable character at times misunderstanding and misunderstood, generous in his determination that those working under him should have their full share of all credit due (a trait, it may well be, dating from his like experience with Wenyon), and greatly amazed and cheered when messages poured in on him during his amœbic illness and showed him how many were proud to hold themselves his friends."

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Miss A. FLORENCE THEOBALDS, M.D. Edin., who died following an operation at the age of 63, qualified at Edinburgh in 1905. After holding resident appointments at Wakefield, Halifax, and Birmingham, she started in private practice at Buxton, later entering into partnership with Dr. Moya Applebee. She was on the staff and on the committee of the Buxton and District Hospital, consulting physician to the Devonshire Royal Hospital, and served as chairman of the local nursing association and of the committee of the Cavendish Girls' School, becoming a well-known figure in the town.

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NEW MATERNITY HOME FOR FULHAM.—Sir Ewen Maclean has opened a new maternity home and clinic at Parson's Green erected at a cost of some £40,000.

## BALNEOLOGY AT BUDAPEST

ON Oct. 6th the Royal Medical Society of Budapest celebrated its centenary. A meeting was held in the Great Hall of the Royal Hungarian Academy of Sciences over which the Archduke Joseph Francis presided, and the president of the society, Prof. Verébely, delivered an address of welcome to the 300 foreign delegates from medical institutions and societies all over the world who had assembled for the occasion. Some of these delegates were invited to give a short address, including Dr. W. S. C. Copeman, who represented the Royal College of Physicians of London. A ceremonial lunch followed the laying of a wreath on the statue of Semmelweis, who held the chair of obstetrics and gynæcology in Budapest from 1850 until his death. On the next day the International Congress of Balneology was formally inaugurated. Twenty-nine countries were represented. The scientific proceedings were opened by Prof. Von Eiselsberg (Vienna) and Prof. Vogt (Breslau). Many aspects of balneology were discussed, including radio-activity. Among the many speakers were the following professors: Koranyi, Vamossy, and de Pap (Budapest); Strasser (Vienna); Klinge (Germany); Bezançon (France); Kahlmeter (Sweden); Gunzberg (Belgium); Guthrie (U.S.A.); and Yagi (Japan). The meetings were well attended and overflow meetings of some of the subsections had to be held. Post-graduate lectures on various aspects of rheumatism were delivered during the week by Prof. Klinge, Prof. Kahlmeter, Prof. Bezançon, Prof. de Pap, and Dr. Copeman.

On the last day of the congress the formation of an International Spa Federation was approved to watch over the interests of health resorts in every country. It was decided that its headquarters should at first be in Budapest, and that its objects should be to encourage discussion and coöperation between health resorts on questions of policy, economics, technical appliances and methods, jurisprudence, and medicine; also to maintain satisfactory standards of treatment, and to pool their resources in order to make the benefits obtainable known to the public. The pooling of scientific and other information of interest to the health resorts and the arrangements for the subsidy of research work, of medical tours, and of post-graduate instruction in medical hydrology were also considered to come under the ægis of the new Federation, of which the Archduke Joseph Francis was elected as first president. A meeting of the national delegates is to be held at Easter, 1938, under his chairmanship to draw up the by-laws, and the first full congress will be held in Berlin later that year, the second in Paris in 1940, and the third was invited by the Italian delegates to meet in Italy in 1942. It was agreed that there was scope for such an international federation, and the hope was expressed that the national bodies concerned would elect official representatives to serve on it before next spring.

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HARROGATE MEDICAL SOCIETY.—The annual dinner of this society was held on Oct. 23rd with Dr. Sinclair Miller, the president, in the chair. The chief guest of the evening was Dr. Donald Hunter, of the London Hospital, who earlier on had delivered the annual oration of the society, choosing as his subject Diagnosis. Dr. W. Yeoman proposed the toast of the Mayor and Corporation of Harrogate, Dr. Curtis Bain The Guests, and Colonel Innes Ware, the Harrogate Medical Society. Dr. Donald Hunter and Dr. Miller replied.

# MEDICAL NEWS

## University of Oxford

In a congregation held on Oct. 14th the degree of bachelor of medicine was conferred upon D. S. Bateman and Derek Jefferiss.

Dr. E. Mallam has been appointed Litchfield lecturer in medicine, and Mr. R. H. Rose-Innes Litchfield lecturer in surgery.

A lecture will be given for Dr. Lee's professor of anatomy by Dr. J. Boeke, professor of histology and embryology in the University of Utrecht, on the innervation of the skin, spinal and sympathetic, in degeneration and regeneration, at noon, on Friday, Nov. 5th, in the lecture theatre of the physiology department.

The Rockefeller Foundation have given a sum not exceeding 3000 dollars as a contribution towards scientific apparatus, laboratory material, and special cages for primates required for research in the department of human anatomy.

## University of Cambridge

Dr. T. S. Hele, master of Emmanuel College, has been elected representative of the University on the General Medical Council.

## University of London

Dr. T. C. Stamp has been appointed to the university readership in bacteriology tenable at the British Postgraduate Medical School.

Dr. Stamp is 30 years of age. He was educated at the Leys School, and at Gonville and Caius College, Cambridge, graduating as B.Chir. in 1931. His medical school was Bart.'s. He went to the London School of Hygiene and Tropical Medicine as demonstrator in bacteriology, and in 1933 he was appointed lecturer in that subject. He was joint author of an article in THE LANCET of Jan. 30th, 1937 (p. 257), on the immunising activity of certain chemical fractions isolated from hæmolytic streptococci, and has also published papers in the *British Journal of Experimental Pathology*.

Mr. A. R. Todd, D.Sc., has been appointed to the university readership in biochemistry tenable at the Lister Institute of Preventive Medicine, where since 1936 he has been an assistant in the department of biochemistry.

Mr. A. Chester Beatty has undertaken to provide a scholarship in radiology of £400 a year for two years which will enable a student after obtaining the academic diploma in medical radiology to spend a year in one of the great radiological clinics of the United States.

Dr. C. M. Wilson, dean of St. Mary's Hospital medical school, has been appointed as a representative of the general medical schools on the senate in place of Prof. T. B. Johnston, who has resigned.

## Royal College of Surgeons of Edinburgh

At a meeting of the College held on Oct. 19th, with Mr. Henry Wade, the president, in the chair, the following were admitted to the fellowship :—

P. C. Barkla, M.B. Edin. ; John Benson, M.B. Leeds ; B. D. Best, M.D. Manitoba ; M. D. Black, M.B. Glasg. ; W. A. Browne, M.R.C.S. Eng. ; S. R. Chandra, M.B. Calcutta ; P. N. Chaudhuri, M.B. Calcutta ; J. V. Clark, M.R.C.S. Eng. ; Alan Conway, M.B. Leeds ; W. C. J. Cooper, M.B. Edin. ; D. H. Craig, M.B. Belf. ; Lydia M. Duff, M.B. Edin. ; I. M. D. N. Farquharson, M.B. Edin. ; G. N. Findlay, M.B. N. Z. ; B. P. Funder, M.B. Adelaide ; H. W. Gordon, M.R.C.S. Eng. ; H. M. Grant, M.B. Edin. ; H. J. Green, M.B. Aberd. ; P. W. Ingram, M.B. Aberd. ; E. S. Lawrie, M.B. Glasg. ; Hamish Macmillan, M.B. Melb. ; I. P. J. MacNaughton, M.B. Edin. ; H. C. Maling, M.B. Melb. ; H. V. Morgan, M.D. Manitoba ; S. K. Sen, M.B. Punjab ; C. L. E. L. Sheppard, M.B. N. Z. ; E. W. Thomas, M.B. Glasg. ; N. J. Townsley, M.B. Belf. ; Richard Walkingshaw, M.B. Glasg. ; E. W. Watts, M.B. Cape Town ; A. J. Webster, M.B. Edin. ; Randal Whittaker, M.B. Manch. ; T. I. Wilson, M.B. Edin. ; and J. G. Youngman, M.R.C.S. Eng.

At the annual meeting of the College held the next day the following office-bearers were elected for the coming year :—

President, Mr. W. J. Stuart ; vice-president, Mr. Henry Wade ; secretary and treasurer, Mr. J. W. Struthers ; members of the president's council, Mr. James M. Graham, Prof. R. W. Johnstone, Sir David Wilkie, Sir John Fraser, Mr. J. J. M. Shaw, and Dr. H. M. Traquair ; representative on the General Medical Council, Mr. Alex. Miles ; convener of museum committee, Dr. A. Logan Turner ; librarian, Dr. H. M. Traquair ; and conservator of museum, Mr. C. F. W. Illingworth.

## Royal Sanitary Institute

A second course of training in the inspection of milk pasteurising plants will be held by the institute on Thursday and Friday, Nov. 25th and 26th. Members and associates should apply for admission to the institute, 90, Buckingham Palace-road, London, S.W.1.

Dr. W. A. Lethem, a medical officer of the Ministry of Health, will deliver the Benjamin Ward Richardson lecture at the institute on Tuesday, Nov. 9th, at 5.30 P.M. His subject will be slaughter-house practice at home and abroad. Sir George Newman, vice-president of the institute, will preside.

## Demonstrations of Contraceptive Technique

On Thursday, Nov. 4th, at 2.30 P.M., a practical demonstration of the technique of the use of a variety of contraceptive methods will be given by Mrs. Marie Stopes, D.Sc., and Dr. Evelyn Fisher at the C.B.C. clinic. Medical practitioners and senior students should apply for tickets to the hon. secretary, C.B.C., 108, Whitfield-street, London, W.1.

## International Congress on Hepatic Insufficiency, Vichy

This conference was held from Sept. 16th–18th, Prof. M. Loeper presiding. Prof. L. Binet, president of the Society of Medical Sciences of Vichy, officially welcomed delegates from different countries. Prof. K. Glaessner read a paper on functional tests for liver insufficiency. These were not yet sufficiently precise to establish a diagnosis ; in the major forms of hepatic insufficiency they were superfluous, since clinical facts provided ample evidence, but in latent, mild, and incipient forms they were valuable, not only in diagnosis but also in prognosis and treatment. Prof. M. R. Castex and Dr. L. Garcia described two forms of pigmentary hepatic insufficiency—one dependent on canalicular involvement and the other on functional hepatic insufficiency. Prof. Binet discussed the function of the liver in relation to sulphur, the presence of which in the hepatic tissues had long been recognised. A sulphur compound, taurocholic acid, was to be found in the bile. E. Urbach dealt with the relation existing between skin and liver diseases, and Prof. C. I. Parhon with the complex subject of the liver and endocrine glands. N. Hamilton Fairley read a paper on hepatic insufficiency in malaria, pointing out that jaundice might be of hæmolytic type, due to blood destruction, or toxic in origin, due to hepatitis, which did not result in cirrhosis. Pigment stones might be a sequela.

In the medical section R. Debré, G. Semelaigne, and E. Gilbrin discussed idiopathic polycoria in children due to excessive storage of glycogen and fat. They stressed its congenital origin and early onset, and regarded hepatomegaly and retarded growth as its two most important manifestations. M. J. Olmer reviewed the hepatic and extrahepatic factors concerned in œdema in diseases of the liver, and A. L. Crandall, C. Ivy, W. N. Elton, A. Bassler, and H. I. Goldstein considered the relations of the liver and of nutrition to special aspects of the nervous system. N. Pende and M. Bufano presented their views on neurogenic and neuro-endocrine hepatic syndromes, holding that all conditions of hepatic vagotonia ensure a good storage of hepatic glycogen and mobilisation of fat, whereas in hepatic sympathicotonia hepatic storage of glycogen is decreased, the combustion of fats is increased, disassimilation of cholesterol results, and there is acetonæmia and lactacidæmia. In the therapeutic section Prof. B. O. Pribram dealt with pre- and post-operative hepatic insufficiency ; this was generally due to hepatitis. In mild cases only hepatic œdema was present, but, in the more severe, inflammatory exudate ensued. Ether was the only general anæsthetic permissible, while in cholæmia spinal and local anæsthesia were advocated. In cholæmic hæmorrhage vitamins C and D were sometimes effective. F. Gallart-Monès considered dietary and M. Piéry and M. Milhaud the rôle of hydromineral therapy in relationship to hepatic insufficiency.

THE eighteenth Maudsley lecture will be delivered to the Royal Medico-Psychological Association by Prof. F. L. Golla on Thursday, Nov. 25th, at 3 P.M. at the house of the Royal Society of Medicine. He will speak on science and psychiatry.

### National Sanatorium, Benenden

A new pavilion for women was opened at this sanatorium on Oct. 15th by Sir Walter Womersley, assistant postmaster-general. It has cost £17,000.

### Pharmaceutical Society of Great Britain

On Tuesday, Nov. 9th, at 8.30 P.M., the first meeting of this session will be held by the society at 17, Bloomsbury-square, London, W.C., when Mr. T. A. Sprague, D.Sc., will give a lecture on early herbals.

### Royal Victoria and West Hants Hospital, Bournemouth

Mr. Alexander Maclean has given £5000 to the appeal of this hospital made in coöperation with the British Empire Cancer Campaign. This is a third of the whole money needed.

### Will Edmonds Clinical Research Fund

Applications are invited for a Will Edmonds fellowship in clinical research tenable at the Metropolitan Hospital. It is of the value of £500 a year and the fellow will be eligible for re-election annually up to five years. Applications should be sent to the hon. secretary of the fund, 68, Great Cumberland-street, W.

### Association of Industrial Medical Officers

A quarterly meeting of this association was held in the London School of Hygiene and Tropical Medicine on Oct. 22nd, when the following office-bearers were appointed: chairman, Dr. L. P. Lockhart (Boots Pure Drug Co.); hon. secretary, Dr. Donald Stewart (I.C.I. Metals Ltd.); hon. treasurer, Dr. Margaret Dobbie-Bateman (Harrods Ltd.). A paper was read and Dr. C. Skinner (Thames Board Mills Co.) on dental service in industry. He criticised the dental standard of children entering industry. In his experience its deficiencies were due to the infrequency of dental inspection in schools, to many parents refusing treatment for their children at the school clinic, and to the transient nature of school populations. He condemned the practice of some dental clinics which developed into extraction clinics instead of doing conservative work. Reasons for this unnecessary mouth clearance were ignorance, fear of pain, the occasional inadequacy of fillings and the relative cost. The following remedies were suggested by Dr. Skinner to improve the all-round standard of dental services in industry: (*a*) an extended school service; (*b*) greater interest by industrial firms in full-time dentists; (*c*) provision of dentistry as a statutory benefit; (*d*) educational propaganda; and (*e*) the raising of the standard of preventive and conservative dentistry by licensing bodies.

### Medical Research Council of Saorstat Eireann

This council is now constituted as follows: Prof. R. P. Farnan (chairman), Prof. J. W. Bigger (hon. secretary), Prof. J. M. O'Connor and Prof. John McGrath (hon. treasurers), Prof. J. F. Donegan, Prof. W. J. E. Jessop, Prof. H. F. Moore, Prof. T. G. Moorhead, and Prof. J. M. O'Donovan. It is announced that whole-time research grants have been made to Mr. R. P. Cooke (working on blood ammonia), Dr. E. F. McCarthy (osmotic pressure of serum protein and oxygen capacity of hæmoglobin, Dr. Barbara Moran (*C. diphtheriæ* and streptococci), Dr. Cecil Mushatt (types of tubercle bacilli in Ireland), and Dr. D. K. O'Donovan (response to metabolic stimulation of the pituitary gland). Dr. McCarthy will work at the Rockefeller Institute, New York, and Dr. O'Donovan at McGill University; the other grantees will remain in Dublin. Grants for a year's training in methods of research have been made to Dr. Eamonn de Valera, Dr. Oliver FitzGerald, Dr. Patrick FitzGerald, and Dr. O. T. D. Loughnan; part-time research grants to Dr. Edward Keenan and Dr. W. R. O'Farrell (bundle-branch block) and Dr. T. C. J. O'Connell (tuberculosis of kidney); and grants-in-aid to Dr. Ninian Falkiner and Prof. E. J. Conway. It will be noted from our Dublin correspondent's letter on p. 1040 that the council receives support from the hospital sweepstake funds.

### London Hospital Dinner

Presiding at the Trocadero on Oct. 21st Dr. Charles Miller began by referring to the death of Sir Ernest Morris and the illness of Prof. William Wright, whose death has since been announced. The new members of the staff appointed during the year were Mr. Tudor Edwards, Mr. D. W. C. Northfield, Mr. C. A. Keogh, Mr. E. C. Butler, and Dr. Henry Wilson. The hospital could now boast of a massage department unequalled anywhere; the nurses had a swimming-bath, and Dr. Clark-Kennedy had begun with great success as dean ("Henry Head used to say that if a man is known by his nickname he is either a good fellow or an alcoholic"). There had been a record entry—or rather a record number of refusals—and Dr. Miller agreed that it was worth going into medicine even if one was not going to be rich ("In fact if you are going to be rich you had better hide your head: read 'The Citadel'"). The hospital had so far managed to keep the bailiffs out, and he thought financial worries helped to keep it active. But the London must remain a voluntary hospital, for no official body was going to live up to its motto: Homo sum—humani nihil a me alienum puto. If any municipal or government hospital could live up to that motto perhaps it would be justified in giving medical treatment. The other great problem before hospitals was: what is the rôle of the specialist? At the London students were trained to tackle anything, and the Londoner could be recognised as such by discerning consultants. The hospital, however, was large enough to train general practitioners and also have special departments. The dual function required rather more organisation than at present, but he believed the hospital's future would be as great as its past, or greater, if it continued to live up to its motto. Dr. Robert Hutchison, proposing the health of the Chairman, said that their friendship dated from forty years ago—"a time when many of you here were still existing in the harmless form of undifferentiated germ plasm." Dr. Miller retained the secret of perpetual youth, and after going west had returned to London to become senior physician at an institution in Gower-street which had felt itself in need of a transfusion. Changing the metaphor somewhat rapidly Dr. Hutchison described this as an example of medical bigamy, but thought the second marriage no more than a temporary liaison. Dr. Miller replied in suitable terms and the rest of the evening was given up to conversation of a high level.

## Appointments

ANDERSON, J. C., M.B. Glasg., Dept. Psych., Physician Superintendent at the Royal Asylum, Montrose.

CRAIG, ELIZABETH D. HUNTER, M.B. St. And., L.M., Assistant Medical Officer of Health for Maternity and Child Welfare and Assistant School Medical Officer for Carlisle.

HEGINBOTHAM, JOHN, L.R.C.P. Lond., Resident Assistant Medical Officer at the Staffordshire Mental Hospital, Stafford.

KOMROWER, G. M., M.B. Manch., Resident Medical Officer of the Private Patients' Home of the Manchester Royal Infirmary.

MAIN, F. F., M.B. Edin., D.P.H., Medical Officer of Health for Perth.

POCOCK, J. A., M.B. Camb., F.R.C.S. Eng., Resident Surgical Officer and Registrar at the Bristol General Hospital.

ROBERTS, LLYWELYN, M.D. Lond., D.P.H., Deputy Medical Officer of Health for Ealing.

RUTTER, F. J., M.B. Birm., D.O.M.S., Resident Surgical Officer at the Birmingham and Midland Eye Hospital.

SCOTT, RUPERT, M.B. Camb., F.R.C.S. Eng., Ophthalmic Surgeon to St. Bartholomew's Hospital.

SMITH, A. M. L., M.B. Manch., Senior Resident Medical Officer, Lake Hospital and Darnton House, Ashton-under-Lyne.

WARDLEY, J. R., M.B. Manch., Senior Resident Medical Officer, Park Hospital, Flixton.

WILKIE, DAVID, M.D. Edin., F.R.C.S. Eng., Medical Superintendent at the Clatterbridge (County) General Hospital, Bebington.

*Royal National Orthopædic Hospital, London.*—The following appointments are announced:—

BATCHELOR, J. S., F.R.C.S. Eng.;

NISSEN, K. I., M.B. N.Z., F.R.C.S. Eng.; and

SNELL, V. C., M.B. Lond., F.R.C.S. Eng.

Certifying Surgeons under the Factory and Workshop Acts: Dr. E. FULFORD (Sidcup District, Kent); Dr. G. W. R. TOMKINSON (Cannock District, Stafford); Dr. W. M. INNES (Ashby-de-la-Zouch District, Leicester).

# Medical Diary

## SOCIETIES

ROYAL SOCIETY OF MEDICINE, 1, Wimpole-street, W.
TUESDAY, Nov. 2nd.
*Orthopædics.* 5.30 P.M. (Cases at 4.30 P.M.) Mr. Norman Capener: The Peg Leg Walking Plaster for Congenital Dislocation of the Hip. Miss M. F. Forrester-Brown: Special Apparatus and Splints. Mr. E. P. Brockman: 1. Pathological Fracture of Humerus. 2. Unusual Fracture of Neck of Radius in a Child. Mr. W. D. Coltart: 3. A Case of Pellegrini-Stieda Disease. Mr. H. J. Burrows: 4. Unusual Rarefaction following Fracture in a Case of Fragilitas Ossium.
*Pathology.* 8.30 P.M. (British Postgraduate Medical School, Ducane-road, W.), T. H. Belt: Pneumoconiosis—Human and Experimental, Case of Granuloma of the Lung, Pseudotuberculosis. Col. A. H. Proctor: Standing Photographic Apparatus for Measuring Red Cells. C. W. Small: Measurements with the Spectroscope. G. E. Delory: A Method for Estimating Phosphate in Small Amounts of Blood. G. A. D. Haslewood: Micro-method for the Determination of Blood Proteins. I. Schrire: Effect of Pituitary Extracts on Creatine-creatinine Excretion. Y. Selzer: Intravenous Galactose Tolerance Test. C. V. Harrison: Demonstration of Cases of Coronary Disease by Barium Injection and Radiography. John Gray: Case of Rhabdomyosarcoma of the Uterus. Case of Adenoma of Islets of Langerhans. Janet Vaughan and C. V. Harrison: Cases of Myelosclerosis with Erythroblastic Anæmia. R. G. Macfarlane: A Mechanical Blood Pipette Shaker. E. J. King and M. McGeorge: The Dissolution of Silica Dusts in Body Fluids. E. J. King: Phenolphthalein Phosphate. W. Weeden: Measurements with the Photo-electric Colorimeter. L. I. M. Castleden: Serum Potassium Changes following Adrenaline Administration.
WEDNESDAY.
*History of Medicine.* 5 P.M. Mr. Herbert Loewe: An Ancient Hebrew Antidotary. Dr. J. A. Nixon: The East India Company and the Control of Scurvy.
*Surgery.* 8.30 P.M. Mr. Claude Frankau: The Management of Tuberculous Glands in the Neck. Mr. W. T. G. Pugh and Mr. B. W. Windeyer will also speak.
FRIDAY, Nov. 5th.
*Otology.* 10.30 A.M. (Cases at 9.30 A.M.) Mr. A. J. Wright: Aural Vertigo: a Clinical Study. Dr. Gwynne Maitland and Mr. H. V. Forster: Seasickness.
*Laryngology.* 5 P.M. (Cases at 4 P.M.) Prof. E. Schmiegelow: Vasomotor Rhinitis. Mr. H. G. Bedford Russell: Operative Treatment of Chronic Sinus Infection.
*Anæsthetics.* 8.30 P.M. Dr. I. W. Magill: Presidential address. Prof. R. R. Macintosh and Dr. M. D. Nosworthy: Anæsthesia in America.

HUNTERIAN SOCIETY.
MONDAY, Nov. 1st.—9 P.M. (Apothecaries' Hall, Water-lane, E.C.), Dame Louise McIlroy, Dr. W. H. F. Oxley, and Prof. Munro Kerr: That the General Practitioner should not be excluded from the Practice of Midwifery.

WEST LONDON MEDICO-CHIRURGICAL SOCIETY, West London Hospital, W.
FRIDAY, Nov. 5th.—8.30 P.M., Sir Leonard Rogers, F.R.S.: Recent Advances in Tropical Medicine.

## LECTURES, ADDRESSES, DEMONSTRATIONS, &c.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, Pall Mall East, S.W.
THURSDAY, Nov. 4th.—5 P.M., Dr. E. A. Cockayne: The Genetics of Transposition of the Viscera. (Bradshaw lecture.)

ROYAL COLLEGE OF SURGEONS OF ENGLAND, Lincoln's Inn-fields, W.C.
MONDAY, Nov. 1st.—5 P.M., Dr. L. W. Proger: Demonstration of Pathological Specimens in the Museum.
FRIDAY.—5 P.M., Dr. A. J. E. Cave: Anatomy and Physiology of the Thyroid Gland.

SEMON LECTURE.
THURSDAY, Nov. 4th.—5 P.M. (1, Wimpole-street, W.), Prof. E. Schmiegelow (Copenhagen): The Surgical Treatment of Chronic Cicatricial Stenosis of the Larynx.

UNIVERSITY OF LONDON.
MONDAY, Nov. 1st.—5.30 P.M. (St. Thomas's Hospital), Prof. J. Boecke (Utrecht): Innervation Problems in the Sympathetic System. (First of three lectures.)

CHADWICK PUBLIC LECTURE.
TUESDAY, Nov. 2nd.—5.30 P.M. (26, Portland-place, W.), Dr. J. M. H. MacLeod: Leprosy in Great Britain at the Present Time. (Malcolm Morris lecture.)

BRITISH POSTGRADUATE MEDICAL SCHOOL, Ducane-road, W.
TUESDAY, Nov. 2nd.—4.30 P.M., Sir Arthur Hall: Meningitis and Encephalitis.
WEDNESDAY.—Noon, clinical and pathological conference (medical). 2 P.M., Mr. E. J. King, Ph.D.: Gastric Function. 3 P.M., clinical and pathological conference (surgical). 4.30 P.M., Mr. A. Bradford Hill, D.Sc.: The Planning and Interpretation of Experiments in Medicine.
THURSDAY.—2.15 P.M., Dr. Duncan White: radiological demonstration. 3.30 P.M., Dr. R. M. Fry: Puerperal Sepsis.
FRIDAY.—2 P.M., clinical and pathological conference (obstetrics and gynæcology). 2.30 P.M., Mr. Reginald Vick: Intestinal Obstruction.
Daily, 10 A.M. to 4 P.M., medical clinics, surgical clinics and operations, obstetrical and gynæcological clinics and operations.

WEST LONDON HOSPITAL POST-GRADUATE COLLEGE, Hammersmith, W.
MONDAY, Nov. 1st.—10 A.M., Dr. Post: X ray film demonstration, skin clinic. 11 A.M., surgical wards. 2 P.M., operations, surgical and gynæcological wards, medical, surgical, and gynæcological clinics. 4.15 P.M., Mr. Arnold Walker: Antenatal Care.
TUESDAY.—10 A.M., medical wards. 11 A.M., surgical wards. 2 P.M., operations, medical, surgical, and throat clinics. 4.15 P.M., Dr. R. W. Ironside: Complications of Anæsthesia.
WEDNESDAY.—10 A.M., children's ward and clinic. 11 A.M., medical wards. 2 P.M., gynæcological operations, medical, surgical, and eye clinics. 4.15 P.M., Dr. Redvers Ironside: Clinical Conditions Simulating Brain Tumours.
THURSDAY.—10 A.M., neurological and gynæcological clinics. Noon, fracture clinic. 2 P.M., operations, medical, surgical, genito-urinary and eye clinics.
FRIDAY.—10 A.M., medical wards, skin clinic. Noon, Lecture on Treatment. 2 P.M., operations, medical, surgical, and throat clinics. 4.15 P.M., Mr. Batchelor: lecture on a surgical subject.
SATURDAY.—10 A.M., children's and surgical clinics. 11 A.M., medical wards.
The lectures at 4.15 P.M. are open to all medical practitioners without fee.

FELLOWSHIP OF MEDICINE AND POST-GRADUATE MEDICAL ASSOCIATION, 1, Wimpole-street, W.
MONDAY, Nov. 1st, to SUNDAY, Nov. 7th.—ST. JOHN'S HOSPITAL, 5, Lisle-street, Leicester-square, W.C. Afternoon course in dermatology (open to non-members).—ST. PETER'S HOSPITAL, Henrietta-street, W.C. All-day course in urology.—ST. JOHN CLINIC AND INSTITUTE OF PHYSICAL MEDICINE, Ranelagh-road, S.W. Sat. and Sun., course in physical medicine.—Unless otherwise stated courses are open only to members.

NATIONAL HOSPITAL, Queen-square, W.C.
MONDAY, Nov. 1st.—3.30 P.M., Dr. Hinds Howell: Meningitis and meningeal irritation.
TUESDAY.—3.30 P.M., Dr. J. St. C. Elkington: Motor Symptoms.
WEDNESDAY.—3.30 P.M., Dr. F. M. R. Walshe: Clinical Demonstration.
THURSDAY.—3.30 P.M., Dr. Denis Brinton: Convulsions and Fits.
FRIDAY.—3.30 P.M., Dr. Bernard Hart: Psychopathology and the Psychoneuroses.

LONDON SCHOOL OF DERMATOLOGY, 5, Lisle-street, W.C.
TUESDAY, Nov. 2nd.—5 P.M., Dr. G. B. M. Heggs: Skin Affections of the Hands and Feet.
THURSDAY.—5 P.M., Dr. H. Corsi: Syphilis through Four Centuries.

ST. GEORGE'S HOSPITAL, S.W.
THURSDAY, Nov. 4th.—5 P.M., Dr. Meyer Gross: Psychiatric Demonstration—Schizophrenia.

HOSPITAL FOR SICK CHILDREN, Great Ormond-st., W.C.
THURSDAY, Nov. 4th.—2 P.M., Dr. R. S. Frew: Pyloric Stenosis. 3 P.M., Mr. Charles Donald: Cysts and Sinuses in the Neck in Children.
Out-patient clinics daily at 10 A.M., and ward visits at 2 P.M.

CENTRAL LONDON THROAT, NOSE, AND EAR HOSPITAL, Gray's Inn-road, W.C.
FRIDAY, Nov. 5th.—4 P.M., Mr. J. D. McLaggan: Œsophageal Obstruction.

NATIONAL COUNCIL FOR MENTAL HYGIENE.
THURSDAY, Nov. 4th.—5.30 P.M., Prof. Millais Culpin: Fitness for Work.

TAVISTOCK CLINIC, Malet-place, W.C.
THURSDAY, Nov. 4th.—8.30 P.M., Mr. Aleck Bourne: Gynæcological Neuroses.

INSTITUTE OF PSYCHO-ANALYSIS, 96, Gloucester-place, W.
FRIDAY, Nov. 5th.—8.30 P.M., Dr. Denis Carroll: Introduction to a Course of Lectures on Psycho-analysis of the Psychoses.

ST. JOHN CLINIC AND INSTITUTE OF PHYSICAL MEDICINE, Ranelagh-road, S.W.
FRIDAY, Nov. 5th.—4.30 P.M., Sir Leonard Hill, F.R.S.: The Physiological Basis for Physical Medicine.

SOUTH-WEST LONDON POST-GRADUATE ASSOCIATION, St. James' Hospital, Ouseley-road, S.W.
WEDNESDAY, Nov. 3rd.—4 P.M., Dr. J. Stanley White: The Clinical Application of the Sex Hormones.

LEEDS GENERAL INFIRMARY.
TUESDAY, Nov. 2nd.—3.30 P.M., Demonstration of Medical Cases. Dr. H. H. Moll: Artificial Pneumothorax Treatment—its Indications and Limitation.

MANCHESTER ROYAL INFIRMARY.
FRIDAY, Nov. 5th.—4.15 P.M., Mr. Harry Platt: Orthopædic Cases.

ANCOATS HOSPITAL, Manchester.
THURSDAY, Nov. 4th.—Mr. P. G. McEvedy: Pruritus Ani.

UNIVERSITY OF SHEFFIELD.
SUNDAY, Oct. 31st, and FRIDAY, Nov. 5th.—Post-graduate Clinics at the Royal Hospital, Royal Infirmary, and Jessop Hospital.

GLASGOW POST-GRADUATE MEDICAL ASSOCIATION.
WEDNESDAY, Nov. 3rd.—4.15 P.M. (Western Infirmary). Prof. J. W. McNee: Some Gastric Diseases.

# NOTES, COMMENTS, AND ABSTRACTS

## PHYSICAL AND EMOTIONAL PERIODICITY IN WOMEN

ALTHOUGH changes in mental outlook as well as in certain physical symptoms are known to occur periodically in women, no sustained attempt seems to have been made in this country to record and relate them systematically, though variations in temperature and blood pressure have long been recognised.[1] McCance, Luff, and Widdowson[2] have obtained encouraging results from preliminary investigations on these lines. They issued forms upon which women were asked to enter daily under appropriate headings any definite variations from the usual level of physical and mental state, and to record menstrual and sexual histories. Records covering from four to six months and complete enough to be of value were ultimately obtained from 167 women, of whom 109 were single, 1 a widow, and the rest married. All were well-educated women of the middle-class—teachers, doctors, students, secretaries, and so on—the average age of the single group being 29·2 and of the married 30·6 years. A menstrual cycle was taken to be the interval between the onset of one menstrual flow and of the next; only complete cycles were used for records, 780 in all, and for comparative purposes the results obtained were all reduced to their equivalent value in a standard 28-day cycle. Detailed instructions were given for filling up the forms; for example, a mark of 1 under "fatigue" signified fatigue definitely greater than usual, whereas 2 meant fatigue severe enough to cause the curtailment of usual activities. The results were then recorded graphically.

The length of the menstrual cycles in this series varied from 17 to 44 days, the average being 27·54 days, and the average duration of the flow was 4·3 days. Fatigue was a symptom very frequently recorded. Its incidence remained at a low level between the 9th and 22nd days of the cycle, climbed to the 28th day, and was at a maximum on the 1st and 2nd days of the next cycle. Ten per cent. of the women had no abdominal pain or backache; among the rest abdominal pain was uncommon during the intermenstruum, but the onset of the period was accompanied by great increase, 60 per cent. of the entries being made on the 1st or 2nd day. Backache was about half as common as abdominal pain, and its incidence ran roughly parallel with it, though it tended to be more frequent between periods. The occurrence of headaches showed striking variations, being lowest in the late intermenstruum, rising to twice the previous level on the 28th day, and continuing to rise until the 3rd day of the next cycle. The subjects were asked to describe in their own words any breast changes noticed, and the majority wrote "tingling." These changes are believed to depend upon the action of the corpus luteum and they did in fact appear about the 15th day, when the corpus luteum is normally formed, the curve rising steadily from this time to a maximum on the 27th and 28th days and then falling sharply.

Sexual feelings both in the unmarried and in the married women were at a minimum during menstruation and at a maximum on the 8th day, the highest point being longer sustained in the married group. The frequency of sexual intercourse also showed a peak at the 8th day, with a secondary rise lasting from the 11th to the 17th day, thus just preceding the generally accepted time of ovulation. Depression was recorded relatively often, and its incidence showed some, but not a pronounced, increase just before and during the early stages of menstruation. Elation was most common between the 8th and 18th days but showed no spectacular monthly variation. Between the 20th and the 23rd days the records show a period of emotional stability neither depression nor elation being noticeable. Irritability was clearly periodic, with a maximum on the 1st day, a striking fall between the 1st and 5th days, and a small rise at about the time of ovulation. Previous workers have described a reduction in mental efficiency during menstruation and this was confirmed by the present series. Least effort for intellectual work seemed to be required about the 20th day, and most from the 1st to the 3rd days. The rhythm of symptoms in this group of middle-class women was quite definite, and it would be interesting to have records of larger numbers in all classes of life.

[1] See *Lancet*, 1922, **2**, 971.

[2] McCance, R. A., Luff, M. C., and Widdowson, E. E., *J. Hyg., Camb.* October, 1937, p. 571.

## AMERICAN MEDICAL HISTORY

THREE fresh publications from the United States bear witness to the zeal with which the study of medical history is there pursued. Two of them are reprints of original documents first published in the seventeenth and eighteenth century. The third and more considerable volume[1] is a detailed study of the life and times of a doctor of German birth and education who served his adopted country well in the trying times of the War of Independence. Bodo Otto was already sixty-five years of age when he entered on his military service and seventy-two when he left it. During this period he served as a senior surgeon with distinction, and appears to have earned the confidence of his immediate superiors, both military and medical. In the quarrels and disputes which were more or less continuous he stood aside and conscientiously did the work to which he was appointed. When he was free he returned to practice and died six years later, at the age of seventy-eight.

The ascertained facts of Otto's life are but few. Born in Hanover in 1709, he practised the profession of medicine in various places until the year 1755: married, and had a family. At the age of forty-six he embarked for Philadelphia, where he practised, chiefly among his countrymen, until the outbreak of the War of Independence. Dr. Gibson has had but little success in his attempts to obtain new facts about Otto's life, Indeed the main interest of the book does not really lie with Otto but with the conditions under which Congress had to organise a medical service for the army. In the earlier years of the struggle the enemy was less the British force than the small-pox. At one time the British were suspected of deliberate attempts to spread the disease among the Americans. Nearly all who had the disease "naturally" died: gradually the practice of inoculation prevailed, against much opposition, and Washington himself at last ordered the inoculation of all recruits, so that in the later years of the war small-pox ceased to be such a terror. Even then typhus and other fevers took toll, and often the sick in hospital numbered as much as a quarter of the paper strength. Dr. Gibson's book is not very readable. As a history of the medical service during the war it is discontinuous and fragmentary: as a life of Otto it is too often concerned with persons and events not directly connected with him. He would have been better advised to have divided his two themes and given us a brief account of the known facts of Otto's career and, separately, a history of the military medical organisation of his time.

"Brief Rule" Thacher was a minister whose combination of the duties of doctor of soul and of body was not unusual in his time. He appears to have taken his "rule"[2] from Sydenham, and that it filled a need

[1] Dr. Bodo Otto. By James E. Gibson. Springfield and Baltimore: Charles C. Thomas; London: Baillière, Tindall and Cox. 1937. Pp. 345. 18*s*.

[2] A Brief Rule to guide the Common-people of New-England. By Thomas Thacher. First published in 1677–78, reprinted in 1702 and 1721–22. Facsimile reproductions of the three known editions. With an introductory note by Henry R. Viets. Baltimore: Johns Hopkins Press; London: Humphrey Milford, Oxford University Press. 1937. Pp. 70. 7*s*.

is evident from the fact that twice afterwards when epidemics of small-pox ravaged the land it was reprinted practically in its original form. The facsimiles are well produced and the introduction and notes appropriate and informative. To the reprint of John Morgan's "Discourse"[3] Dr. Abraham contributes an introduction in which he claims that Morgan's views were 100 years in advance of his time. The "Discourse" itself is a remarkable document, but Morgan's preface to the original lecture is even more remarkable. He may with justice be described as the first "specialist" in medicine, and he defends the necessity of specialism with skill if not without some conscious superiority. Ten years later he was made director-general of the military hospitals and chief physician of the continental army.

## MANCHESTER HOSPITAL LIBRARY SERVICE

MANCHESTER is rapidly developing the most efficient library service for patients in the area of any local authority in the country. At the annual meeting of the voluntary helpers engaged in this undertaking it was reported that the distribution has increased from 2607 in the year before it was organised under professional auspices to 44,734 in year ending March 31st. During the last six months more than 25,000 books have been issued, so that the service is still expanding. The public library forms the centre from which the library helpers belonging to various bodies, such as the Dickens Fellowship, Toc H, Rovers, and Rangers have their allotted responsibilities in voluntary and municipal hospitals. Not quite all the hospitals have yet been included in the scheme but the regularity and ability with which the service is carried out shows the value of professional direction and the appreciation felt for it by voluntary workers. A most interesting part of the central library service for patients is rendered, however, eighty miles away in the corporation's sanatorium at Abergele, where provision is made for the staff as well as the patients. The chief librarian, Mr. C. Nowell, has enlisted the combined interest of the library and public health committees, with the result that in this respect the sanatorium may well be regarded as a model. The children's library is particularly attractive. As there is no local library the arrangement by which the staff have a library as well as are able to obtain their own particular requirements from Manchester fills a serious gap. In an article in the *Times* of Sept. 14th it was shown that the same standard of efficiency has not been attained in some of the other sanatoria in Wales.

## FERMENTATION IN THE PREPARATION OF COCOA

COCOA and its derivative, chocolate, have become so well known since Cortes or his followers introduced them to Europe that they are now consumed without much thought about their production. Few realise indeed that fermentation is one of the processes to which the pod of the cacao is subjected. Mr. A. W. Knapp has set out in a monograph[4] the outcome of a study, undertaken in many parts of the world, of the variants of the fermentation process and has collated much information derived from the observations of other workers. He explains that although the term fermentation is correctly used to indicate a kind of spontaneous decomposition of sugars (hexoses) which produces alcohol, the small amount of alcohol produced is not the object of the process, and the alcoholic liquid is a by-product mostly ignored by planters, and allowed to run to waste. The objects of the process, which is an old one, seem to be to get rid of the juicy pulp which surrounds the bean in the pod and thereby to facilitate drying for export and to kill the seed, as well as to induce changes of colour and composition which are considered advantageous.

## COLONIAL POPULATION

A LITTLE book published under the auspices of the Royal Institute of International Affairs represents an attempt to estimate the populations of colonial or mandated areas.[1] More than half its pages are filled by references to the sources from which the author has drawn his figures of colonial populations throughout the world. The data are, as he points out clearly in his introduction, of very unequal value. Some are as accurate as those of countries of western civilisation; others are no better than the population figures of most European countries two hundred years ago. In total he finds about 270 millions, or 13 per cent. of the total world population, living in colonial or mandated areas, one-quarter under British administration, one-quarter under French, one-quarter under Dutch, and one-quarter under other Powers. For each separate area he sets out, where available, the recorded total population at the last census before 1932 and in each of the years 1931–35, and also the numbers by race and by continent of birth at a recent date. His text takes the form of comments on the limitations of this material and includes a brief description of the state of birth and death registration.

## BAD BREATH

Now that nostrum-mongers have familiarised the public with the blessed words "body-odour" and "halitosis," books about bad breath are to be expected. Dr. L. M. Pearlman has supplied one on essentially "popular" lines.[2] Part I deals with the elementary physiology of respiration and circulation. The better to appeal to naïve minds, the course of "busybee," a single circulating red cell, "the symbol of the blood," is described and the white cells are referred to as "the soldiers of the body." Part II deals with local causes of bad breath, the teeth, tonsils, and so forth. A somewhat elaborate mouth-cleansing technique is outlined which may attract those with ample leisure, and a short, flesh-creeping note on syphilis is somewhat irrevelantly included. In Part III the systemic causes of bad breath are considered. Here constipation is cited as a common cause and the usual traditional remedies are proposed. There is unexpected humour in the note on abnormal metabolism where we are told that when the cardiac sphincter permits gas to escape, as in belching, "one is always aware of the occurrence"—a pretty example of meiosis.

## A PHYSIOLOGIST LOOKS AT PSYCHOLOGY

IN the course of his routine teaching of physiology to students Prof. E. C. Mason made a discovery which profoundly affected his point of view. He realised that in teaching the orthodox physiology of the brain he was, in fact, teaching no more than its anatomy. Mind, he says, with a fine contempt for the philosphers, is solely a product of brain; hence the true physiology of the brain is psychology. Following this line of thought he has written a manual[3] summarising current psychological knowledge and belief, considered under the headings Ego, Sex, and Herd, "the three dynamos of interest influencing human conduct." There is an interesting, if dogmatic and sometimes naïve, chapter on discord between the sexes, in which we are told that the male

[3] A Discourse upon the Institution of Medical Schools in America. By John Morgan. Reprinted from the first edition, Philadelphia, 1765. Baltimore: Johns Hopkins Press; London: Humphrey Milford, Oxford University Press. 1937. Pp. 77. 9*s*.

[4] Cacao Fermentation: A Critical Study of its Scientific Aspects. By Arthur W. Knapp, M.Sc., F.I.C., M.I.Chem.E., Chief Chemist, Messrs. Cadbury Bros. London: John Bale, Sons and Curnow. 1937. Pp. 171. 10*s*.

[1] Colonial Population. By Robert R. Kuczynski, Department of Social Biology, London School of Economics. London: Humphrey Milford, Oxford University Press. 1937. Pp. 101. 5*s*.

[2] Your Breath and Your Health. By Louis M. Pearlman, M.D. London: G. P. Putnam's Sons. 1937. Pp. 133. 5*s*.

[3] Why We Do It. By Edward C. Mason, M.D., Ph.D., F.A.C.P., Professor of Physiology, University of Oklahama School of Medicine, Oklahama City. London: Henry Kimpton. 1937. Pp. 177. 6*s*.

should normally dominate the female and that indefinite sex characteristics, when the husband is not a real "he-man" nor the wife a "she-woman," make for unhappy marriage. Prof. Mason outlines the psychology of insanity and the characteristic differences between the sane and the insane. In the last chapter, a very short one on treatment, methods of preventing and curing abnormal psychological states in children and adults are sketchily indicated. The book contains nothing very new and is too slight to be of much value to the general practitioner, still less to the psychiatrist. It may, however, commend itself to the vast and rapidly increasing lay public who are anxious to learn the rudiments of psychology.

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INTESTINAL INFESTATION BY LARVÆ OF A DRONE-FLY.—Mr. H. Oldroyd writes to point out that the first reference in the paper by Dr. Cockson and himself, in our issue of Oct. 2nd, should have read: Austen, E. E. (1910) *Trans. Soc. trop. Med. Hyg.* **3**, 221.

CYSTS OF THE UPPER INCISOR REGION.—Mr. H. T. Roper-Hall, M.B., B.D.S., writes: "In connexion with a paper which I am preparing upon the cysts which occur in the upper incisor region, I shall be grateful if readers will be kind enough to let me have details of any of their cases, preferably of non-dental origin, such as those of the incisive canal. Radiographs and models or diagrams of this area will be very welcome." Mr. Roper-Hall's Birmingham address is 43a, Calthorpe-road, Five Ways, Birmingham, 15.

PRONTOSIL AND SULPHANILAMIDE IN THE TREATMENT OF GONORRHŒA.—In answer to inquiries Surg.-Commander T. F. Crean states that the Prontosil Soluble he used in the treatment of gonorrhœa (THE LANCET, Oct. 16th, p. 895) was the 5 per cent. solution issued by Bayer Products. The sulphanilamide preparation (Colsulanyde, Crookes) contains 7½ grains in each drachm.

# Vacancies

***For further information refer to the advertisement columns***

*Barnsley, Beckett Hosp. and Dispensary.*—Res. Surg. O., £300.
*Bechuanaland, Livingstone Hosp., Molepolole.*—Doctor Missionary.
*Bedford County Hosp.*—Third H.S., at rate of £150.
*Birmingham, Great Barr Park Colony.*—Jun. Asst. Res. M.O., £275.
*Birmingham, Romsley Hill Sanatorium.*—Res. Asst. M.O., at rate of £240.
*Bolingbroke Hosp., Wandsworth Common, S.W.*—Cas. O., at rate of £120.
*Bristol City and County.*—Asst. M.O.H., £600.
*Bristol, Winford Orthopædic and Heart Hosp.*—M.O., £325.
*Doncaster Royal Infirmary and Dispensary.*—H.S. to Eye and Ear, Nose and Throat Depts., £175.
*Dreadnought Hosp., Greenwich, S.E.*—Two Receiving Room Officers, each at rate of £100.
*Dundee Royal Lunatic Asylum.*—Superintendent for Gowrie House, Liff, £200.
*Ealing, King Edward Memorial Hosp.*—Cons. Orthopædic Surgeon.
*Glasgow Royal Infirmary.*—Sen. and Jun. Res. M.O.'s, £200 and £150 respectively.
*Gloucestershire Royal Infirmary.*—H.S. to Ear, Nose, and Throat Dept., at rate of £150.
*Golden-square Throat, Nose, and Ear Hosp., W.*—Registrar. Also Clin. Asst.
*Halifax Hosp. for Infectious Diseases.*—Res. M.O., £350.
*Hastings, Royal East Sussex Hosp.*—Three Hon. Anæsthetists.
*Hosp. for Sick Children, Great Ormond-street, W.C.*—Surg. Reg., at rate of £200. Also Res. H.S., at rate of £100.
*Hull City Hosp. for Infectious Diseases, Cottingham.*—Res. M.O., £350.
*Infants Hosp., Vincent-square, Westminster.*—Pathologist, £700.
*Ilford, King George Hosp.*—Asst. Cas. O. and H.S. to Spec. Depts., at rate of £100. Also two Clin. Assts. to Anæsthetic Dept.
*Kent County.*—Asst. County M.O.H., £700.
*Leeds Maternity Hosp.*—Hon. Anæsthetist.
*Leeds, St. James's Hosp.*—Two H.P.'s, each at rate of £150.
*Leicestershire and Rutland Mental Hosp., Narborough.*—Asst. M.O., £500.
*London County Council.*—Asst. M.O.'s, Grade I, each £350. Also Asst. M.O.'s, Grade II, each £250.
*London Jewish Hosp., Stepney Green, E.*—Res. H.S. and Res. Cas. O., each at rate of £100.
*London Lock Hosp., 283, Harrow-road, W.*—Res. M.O. to Male Depts., at rate of £175.
*Maidstone, Preston Hall Sanatorium.*—Asst. M.O., £200.
*Manchester, Ancoats Hosp.*—Asst. Pathologist, £350.
*Northampton County Council.*—Asst. M.O. for Maternity and Child Welfare and School Inspection, £600.
*Northumberland County Council.*—Maternity and Child Welfare Officer and Chief Supervisor of Midwives, £750, Temp. Asst. M.O., £500.
*Plymouth City and Port.*—Asst. M.O.H., £500.
*Plymouth, Prince of Wales's Hosp., Devonport.*—Sen. H.S., at rate of £130.
*Portsmouth, St. James' Hosp. for Nervous and Mental Diseases.*—Locum Tenens Asst. M.O., 7 guineas a week.
*Preston, Wrightington Hosp., Appley Bridge.*—Jun. Asst. M.O., £250.
*Queen Charlotte's Maternity Hosp., Marylebone-road, N.W.*—Res. M.O. for Isolation Hosp., at rate of £200.
*Reigate Borough.*—Asst. M.O. (Part-time), £450.
*Richmond, Surrey, Grove-road Institution.*—Res. Asst. M.O., at rate of £375.
*Rotherham Hosp.*—Sen. H.S., £200.
***Royal Air Force Medical Service.***—**Commissions.**
*Royal Cancer Hosp., Fulham-road, S.W.*—H.S., at rate of £100.
*Royal Chest Hosp., City-road, E.C.*—Res. M.O., at rate of £150.
*Royal Free Hosp., &c., Gray's Inn-road, W.C.*—Third Asst. in Obstet. and Gynæcological Unit, £270.
***Royal Naval Medical Service.***—**Medical Officers.**
*Royal Northern Hosp., Holloway, N.*—Fracture Officer and Orthopædic Registrar, £50. Also Second Ear, Nose, and Throat Surgeon.
*St. Bartholomew's Hosp., E.C.*—Asst. Ophth. Surgeon.
*St. Leonard's-on-Sea, Buchanan Hosp.*—Jun. H.S., £125.
*St. Mark's Hosp. for Fistula, &c., City-road, E.C.*—Res. Surg. O. Also H.S., at rate of £150 and £120 respectively. Also Clin. Assistantships in Out-patients' Dept.
*Salisbury General Infirmary.*—H.P., at rate of £125.
*Sheffield Royal Infirmary.*—H.S. to Ear, Nose, and Throat Dept. Also Ophth. H.S., at rate of £80 and £120 respectively.
*Smethwick, St. Chad's Hosp.*—Res. Obstet. Officer, £350.
*Stoke-on-Trent, North Staffordshire Royal Infirmary.*—Res. Anæsthetist, at rate of £150.
*Swanley, Hosp. Convalescent Home, Parkwood.*—Res. M.O., at rate of £200.
*Sydney Hosp.*—Pathologist to Kanematsu Memorial Institute of Pathology, £900.
***West London Hosp., Hammersmith-road, W.***—**Neurologist.**
*Weston-super-Mare Hosp.*—Res. H.S., £150.
*Winchester, Royal Hampshire County Hosp.*—H.S., at rate of £125.
*Wigan, Royal Albert Edward Infirmary and Dispensary.*—Hon. Asst. Ophth. Surgeon.
*Will Edmonds Clinical Research Fund.*—£500.
*Wolverhampton, Prestwood Sanatorium.*—Jun. Asst. M.O., at rate of £300.
*Wolverhampton Royal Hosp.*—Res. Anæsthetist, at rate of £200.

The Chief Inspector of Factories announces vacancies for Certifying Factory Surgeons at Aboyne (Aberdeen) and Minehead (Somerset).

# Births, Marriages, and Deaths

## BIRTHS

COOMBS.—On Oct. 17th, at Newcastle-on-Tyne, the wife of Dr. Noel Carey Coombs, of Romaldkirk, Yorkshire—a daughter.

FRIER.—On Oct. 11th, at Chakrata, U.P., India, the wife of Lieut.-Colonel W. Frier, R.A.M.C.—a daughter.

JAMESON.—On Oct. 18th, at St. Albans, the wife of Dr. H. P. Jameson—a son.

OXLEY.—On Oct. 21st, at Trimulgherry, India, the wife of Captain W. Malcolm Oxley, R.A.M.C.—a son.

PULVERTAFT.—On Oct. 26th, at 37, Bargate, Grimsby, to Betty, wife of R. Guy Pulvertaft, F.R.C.S.—a daughter.

RICHARDSON.—On Oct. 23rd, at Middlesex Hospital, the wife of Dr. J. Richardson, of Aspley Guise—a son.

## DEATHS

CROUDACE.—On Oct. 22nd, at West Kirby, James Henry Croudace, L.R.C.P. Edin., J.P., late of Stafford, aged 85 years.

GILMER.—On Oct. 23rd, at Hertford, Hamilton Andrew Hugh Gilmer, M.D. Edin., of Wellington, New Zealand, aged 63.

LITTLEHALES.—On Oct. 21st, at Bournemouth, Arthur Gascoyne Littlehales, M.R.C.S. Eng.

LOCHRANE.—On Oct. 21st, at Rickmansworth, Herts, Neale Leo Lochrane, M.D. Edin., of Waldringfield, Stroud, Gloucestershire.

MANSON.—On Oct. 24th, at Warrington, John Sinclair Manson, M.D. Edin., D.P.H., aged 64 years.

MARTIN.—On Oct. 26th, at Turner Drive, Meadway Close, N.W., Marjorie Ada Blandy, M.B., M.R.C.P. Lond., wife of Dr. James Purdon Martin.

PEARCE.—On Oct. 24th, at Brentwood, Andrew Harman Pearce, M.B. Camb., M.R.C.S. Eng., aged 45.

TAYLOR.—On Oct. 21st, at the Royal Naval Hospital, Plymouth, Surg. Comdr. Alexander Gordon Taylor, M.B., B.S. Durh., R.N., aged 48.

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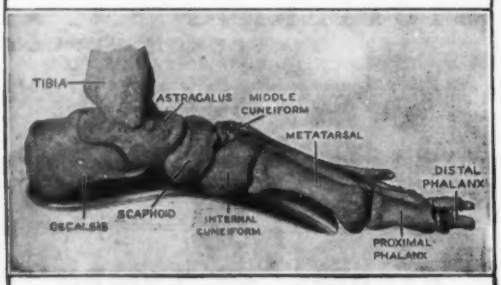


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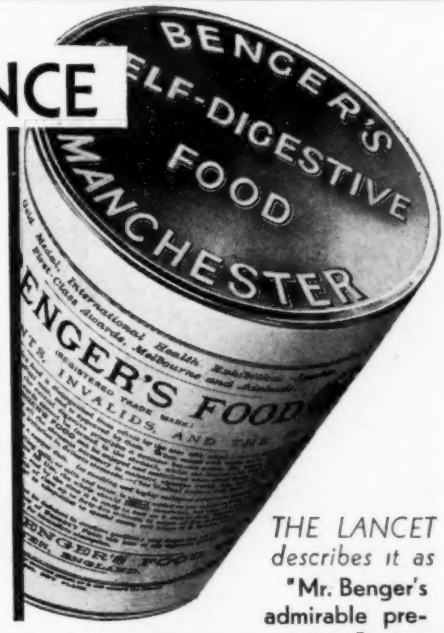


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ANTICOMAN is absolutely harmless.

*Clinical Literature on Request*

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PITUITARY (POSTERIOR LOBE)
EXTRACT B.D.H.

PITUITARY EXTRACT B.D.H. (Ext. Pituit. Liq. B.P.) is used as a matter of routine not only in obstetrics, but also for preventing surgical shock, for stimulating intestinal peristalsis, for relieving distension and gas pains following abdominal operations, and in intestinal toxæmias.

The administration of PITUITARY EXTRACT B.D.H. provides also a valuable safeguard against hæmorrhage following operations on the nose and throat. PITUITARY EXTRACT B.D.H. is prepared under strictly scientific control, and is assayed biologically both for pressor effect and for oxytocic power; it is subsequently standardised to conform with all the requirements of the British Pharmacopœia. Its administration ensures, therefore, a uniform and dependable response.

*Literature on request*

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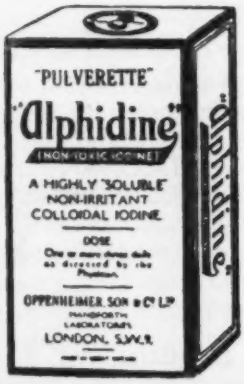
# IODINE THERAPY

The difficulties and restrictions imposed by the TOXIC and IRRITANT properties of Iodine ARE ELIMINATED by the use of




## "Alphidine"

**(NON-TOXIC IODINE)**

(GOVETT PATENT)

"ALPHIDINE" is a NON-TOXIC NON-IRRITANT PRODUCT of Iodine. Clinical tests in some of the largest London Hospitals establish the non-toxicity and high therapeutic activity of "ALPHIDINE" in Hypothyroidism, Toxæmias, Rheumatic conditions, in fact IN ALL THOSE CASES WHERE IODINE OR THE IODIDES ARE INDICATED.

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From

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## ARE MINERALS IN THE DIET?

?

**They are absolutely essential for the maintenance of an adequate state of nutrition. However, not infrequently an apparently minor mineral deficiency may weaken the body's defensive mechanism to such a point that**

**Pregnancy, Infection, or any other unusual tax**

**may lead to a prolonged period of convalescence.**

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**Compound Syrup of Hypophosphites**

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**CONTAINS THE DEFICIENT MINERALS!**

**Samples on request**

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*'. . . for any kind of sepsis'*

A physician, reporting on the value of Acriflavine 'B.D.', states:

> *'. . . I regard Acriflavine 'B.D.' as a benefactor to mankind . . . I have had wonderful results (even with hypodermic injections for gonorrhœa) with any kind of sepsis, otitis media, burns, all wounds, eczema, impetigo, and so on.'*

Acriflavine 'B.D.' is available in forms suitable for all purposes, powder, tablets, solution, bougies, suppositories, pessaries, ointment, and in the form of an emulsion.

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**THE FINEST ANODYNE**

*In ampoules for injection, capsules and Tablets*

*Supplied solely to the Medical Profession*

*Extracts from Clinical Reports:*

**Cancer.** "I have used Trivalin with most satisfactory results in Carcinoma of the Mamma. No preparation I have tried, including Morphia (which produced vomiting) gave so much relief."

"I consider the addition of Hyoscine valuable in Morphia suppression, and have found the combination valuable in hysterical frenzies and other forms of mental excitement."

"I shall continue to use it when Morphia is indicated, and particularly when Morphia-action is indicated but Morphia itself contra-indicated."

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PREPARED from INDUSTRIAL ALCOHOL.

**BLUE LABEL**

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These three varieties are guaranteed to be absolutely pure according to the specifications of the British Pharmacopœia. They are the result of many years' experience in the manufacture of Anæsthetics, and are recognised as the most reliable and perfect products offered to the Medical Profession.

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## Safe Salicylate Therapy

THE popularity of acetyl-salicylic acid is undoubtedly due to the fact that it is one of the safest and most effective non-narcotic analgesics available. Too often, however, its use has been discarded by the physician on account of its tendency to irritate the stomach and because entirely pure preparations are not always available.

"Alasil" provides the beneficial therapeutic effects of pure acetyl-salicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines calcium acetyl-salicylate—the least irritating salicylate compound—with "Alocol," a potent gastric sedative and antacid.

Since "Alasil" is better tolerated than acetyl-salicylic acid its use can be pushed or prolonged to a much greater extent than the latter. "Alasil" is, therefore, an analgesic, antipyretic, and anti-rheumatic, which can be employed with complete confidence in all the many conditions in which such an agent is indicated.

*A supply for clinical trial with full descriptive literature sent free on request:*

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M267

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INDICATIONS: *Hæmorrhoids, Anal Fissures, Pruritus ani.*

Fissan Brand Anal preparations incorporate their carefully balanced soothing and healing constituents in a physical state of high dispersion with increased surface action and efficacy.

The base is a milk albumin fat emulsion with marked penetrating power for the mucous membranes, possessing antipruritic and healing properties.

Fissan Brand Anal Ointment is suitable for external and internal lesions.

Fissan Brand Suppositories are the most convenient form for rectal application.

These preparations are odourless and do not stain linen.

**FISSAN** *PREPARATIONS*

*BRAND*

*Literature, with a section on the formation of prescriptions, and samples, will be gladly supplied on application to:*

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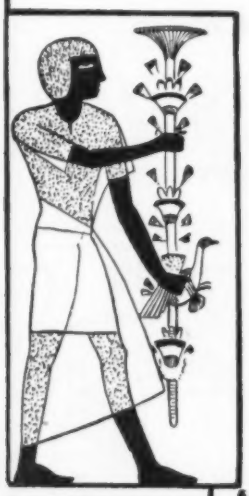
# During the Age of Growth

AT no time, throughout the span of life, is the proper and orderly balance of calcium, phosphorus and iron, vitamins and other highly important food elements more readily disturbed than during the period of active growth and development.

The food supply of every child should, therefore, contain an adequate proportion of these important substances, if normal progress is to be maintained. The construction of an entirely correct dietary, to suit the varying requirements of each individual is, however, beyond the possibility of realization in ordinary practice.



Many physicians ensure that the ordinary dietary of the young patient is safe and adequate by advocating the daily addition of 'Ovaltine.' This is a complete, well-balanced food, rich in natural vitamins and in readily assimilable calcium, phosphorus and iron.

'Ovaltine' is composed of full-cream milk, new-laid eggs and malt extract. Its sugar content is chiefly in the form of maltose, a very readily available source of energy. No cane sugar or chocolate is added to give bulk or to cheapen the cost. 'Ovaltine' is delightful to the taste and readily assimilable even by digestions impaired by disease.

## 'OVALTINE'

TONIC FOOD BEVERAGE

M.287

*A liberal supply for clinical trial sent free on request.*

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*Laboratories and Works:*
King's Langley, Herts.

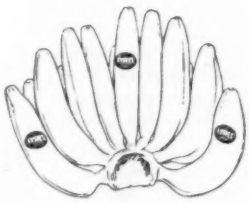
*Servants of high official bearing offerings to the Tomb.*

# THE THERAPEUTIC VALUE OF THE BANANA

## II. Gram-Positive Results

*B. S. Kahn* states that fructose is an exceedingly favourable medium for the growth of Gram-positive intestinal bacteria. He reports that infants fed on a milk mixture containing 5 per cent. of banana powder showed a conversion of the intestinal flora from an almost complete Gram-negative to an almost complete Gram-positive state.

If, as appears possible, this is due to fructose, it emphasises the use of the banana as an article of diet during treatment, but only of course when fully ripe, for it is then that the fructose percentage is at its highest. In the successful use of bananas in the diet of diabetics, the improvement of the faecal flora has been assigned as this cause.



***N.B.*** In the fully ripe banana the starch content is reduced to about 3 per cent., having been changed into soluble sugars. A banana is ripe when all green has disappeared from the skin and brown spots have formed upon the yellow surface.

# ANAHÆMIN B.D.H.

*In the treatment of pernicious anæmia*

The following report furnishes a record of the remarkable improvement effected in the condition of a pernicious anæmia patient as a result of four injections of Anahæmin B.D.H.

Blood count 720,000. Patient *in extremis*, blood transfusion impossible on account of condition of heart. Injection of 2 c.c. anahæmin followed by second injection of 2 c.c. on third day. On fifth day reticulocytes were 46%. Blood count rose steadily. Doses of anahæmin 1 c.c. on tenth day after second dose anahæmin, and again ten days later 1 c.c. Blood count in under three weeks—2,400,000.

*Sample on request*

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# 'DERIPHYLLIN'

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THEOPHYLLINE AND DI-ETHANOLAMINE

An effective diuretic and cardiac tonic. Well tolerated.

**DOES NOT GIVE RISE TO ACUTE FALLS IN BLOOD PRESSURE ON INJECTION**

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AMPOULES: boxes of 6 and 25 amps. of 1 c.c.

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SUPPOSITORIES: boxes of 6 and 25 Supp.

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# HOW CADBURY'S MILK CHOCOLATE MEETS A REAL NEED FOR THE ORDINARY MAN AND WOMAN

Too long a gap between meals — and recent research has shown that the big conventional meals *are* too far apart—reduces efficiency and introduces an element of strain into everyday life.

Some small but nourishing between-meal snack is markedly beneficial in every normal case — milk is an example of a food that perfectly fulfils the necessary conditions. Unfortunately, however, the conditions of their work prevent many men and women to-day from taking any save the most compact and portable forms of nourishment in these long between-meal gaps. It is here that Cadbury's Milk Chocolate, at once handy, nourishing and energising, proves of the greatest value. Where the consumption of liquid milk would be impracticable, Cadbury's Milk Chocolate supplies all its goodness in concentrated form.

A vitamin assay of samples of Cadbury's Milk Chocolate taken from current production and tested by the highest independent authority indicates that this chocolate contains 6 International Units of Vitamin A per gram as compared with a stated potency for milk of 3 International Units per gram.

It will thus be seen that the process by which milk is converted for use in Cadbury's Milk Chocolate results in the concentration of its goodness without the modification or loss of those qualities which make milk so valuable a food.

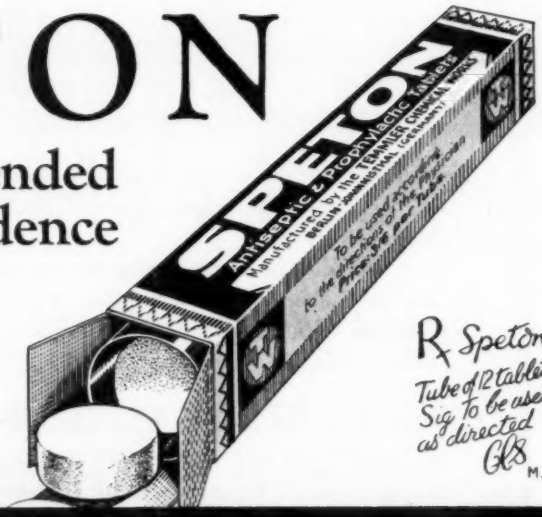
**1½ glasses of full-cream milk contained in every ½ lb. block**

# *Contraceptive difficulties . . .*

## In such cases

# SPETON

## can be recommended with every confidence




℞ Speton
Tube of 12 tablets
Sig. To be used as directed
GS M.D.

Obtainable upon prescription through the pharmacist. On sale throughout the Dominions.

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# Before any Anæsthesia safeguard with Bisodol

For all types of anæsthesia, the pre-operative administration of alkalies is an effective preventative against post-operative acidosis and nausea

•

Acidosis is one of the most common pathological conditions—indeed more common than fever.

•

BiSoDoL is a palatable preparation of balanced alkalies and digestive enzymes available either in powder or tablet form.

•

*Write for samples and literature.*

**BiSoDoL**
REGD.

℞ Bismuth subnitrate
Magnesium Carbonate
Sodium Bicarbonate
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Peppermint Oil

**INDICATED**
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- *Pre- and post-operative treatment*
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## Gonad Stimulating Hormone

**A NEW GONADOTROPIC HORMONE WITH INTENSE FOLLICLE MATURING ACTIVITY**

ANTOSTAB is a gonadotropic hormone prepared from pregnant mares' serum, having a powerful action in stimulating ovulation and the secretion of the œstrogenic hormone by the ovary.

ANTOSTAB is indicated in the treatment of conditions associated with anterior pituitary and ovarian dysfunction. Excellent results have been obtained in the treatment of Primary and Secondary Amenorrhœa and Metrorrhagia.

ANTOSTAB is supplied in boxes containing ampoules of 100 mouse units, and ampoules containing 1 c.c. of 0.90% Sodium Chloride Solution as a solvent for Antostab. Single ampoules and boxes of six ampoules.

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*or from the Wholesale and Export Dept.*
BOOTS PURE DRUG CO., LTD NOTTINGHAM, ENGLAND

The Boots Chemists

TAXOL

*Laxatives*, it is well known nowadays, must have two essential characteristics.

1. They must be biological, i.e., they must accord with and imitate in their action the natural physiological processes of the intestine.
2. They must be capable of educating the intestine, so that the habit of a laxative is not formed and the intestine can function unaided when bowel adjustment is attained.

*Taxol* has both these advantages.

*Taxol* has not the violent irritant action of many laxatives and purgatives, but stimulates the intestine by processes which resemble those of nature. The intestinal gland which is an important part of its composition acts on the intestine by reinforcing the deficient function which has culminated in constipation. This stimulating action is gentle, and does not force the weakened intestine to efforts beyond its power, which would culminate in aggravation of the constipation.

*Taxol* is not habit-forming. It re-educates the intestine to resumption of normal function unaided, thanks to the biological nature of its action. It contains no irritant drug of violent and artificial action to which the intestine can become accustomed. On the contrary, many stubborn cases of constipation, after a course of TAXOL, revert to normal and regular peristalsis.

*Formula*

| | |
|---|---|
| Intestinal glands - - | 0.05 grms. |
| Biliary extract - - | 0.10 ,, |
| Lactic ferments - - | 0.05 ,, |
| Agar-agar - - - - | 0.05 ,, |
| Fiat tablet - - - - | 0.35 ,, |

Initial Daily Dose
Two Tablets

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**MIST. PEPSINÆ CO. c. BISMUTHO**
**(Hewlett's)**

Over 60 years' reputation as a useful remedy in Gastritis, Gastrodynia, Gastric Carcinoma and Dyspepsia, especially when Pyrosis is a conspicuous symptom and in all Diseases of the Stomach.

DOSE: Half to one drachm, diluted.
In 5, 10, 22, 40 and 90 oz. bottles.

**HEPATAGEN**
**(Mist. Hepatica Conc. Hewlett's)**

Composition: Cascara, Rhubarb, Jalap, Podophyllin, etc., with 1/20 gr. Cocaine in each drachm.

(Not under the Dangerous Drugs Act.)

An elegant and palatable general Aperient and Cholagogue specially recommended in cases of so-called "Biliousness," Hepatitis, and Chronic Gastritis.

Dose: Ten to sixty minims, diluted.
In 5, 10, 22, 40 and 90 oz. bottles.

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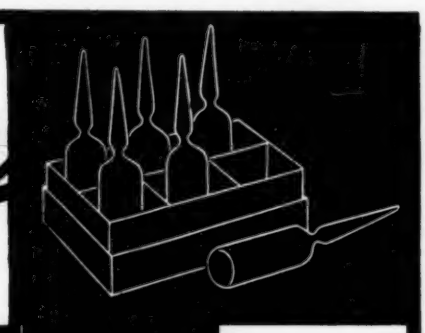

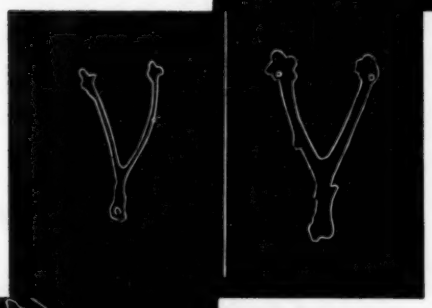

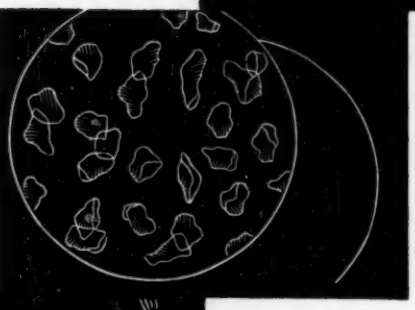

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**FOLLICULAR SEX-HORMONE**

***AMPOULES of***
10,000, 1000, and 100 International Units

***TABLETS of***
1000 and 300 International Units

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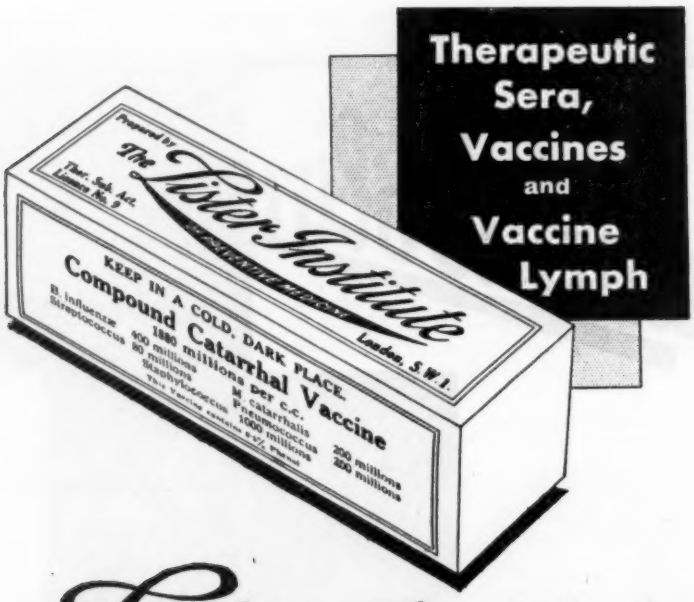
& BUDAPEST X.




The Lister Institute
OF PREVENTIVE MEDICINE

Therapeutic Substances Act, Licence No. 9

# Compound Catarrhal Vaccine

In catarrhal conditions of the respiratory passages mixed infections are found more often than pure infections with one type of organism. *Bacillus influenzæ*, Pneumococcus, and *Micrococcus catarrhalis* are believed to be the commonest primarily infecting organisms, but Streptococcus and Staphylococcus seem to be responsible for many of the secondary infections. A mixed vaccine has been prepared from these five kinds of bacteria. It is generally given as a prophylactic but may also be used in acute respiratory infections.

DOSAGE—Prophylaxis: 1st dose, 50 million *B. influenzæ*, 10 million *Streptococcus*, 25 million *M. catarrhalis*, 25 million *Pneumococcus*, 125 million *Staphylococcus*. Subsequent doses at intervals of 7 to 10 days, gradually rising to 8 times the original dose. Then 4 to 8 times the initial dose every 4 to 8 weeks.

Treatment—$\frac{1}{5}$ to $\frac{1}{10}$ of prophylactic doses.

PRICES—

| | | | | | | |
|---|---|---|---|---|---|---|
| Ampoules containing | 235 | million | organisms | per c.c., | each | **2/6** |
| " | " | 470 | " | " | " | **2/6** |
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| 10 c.c. rubber-capped vials containing 470, 940, or 1880 million organisms per c.c., each | | | | | | **15/-** |
| 25 " | " | " | " | " | " | **25/-** |

**Sole Distributors for the Lister Institute**

**Allen & Hanburys Ltd.**

**London, E.2**

# CREMOR ALKALINUS

A&H

A series of simple creams prepared in accordance with the Formulæ advocated from time to time for use in the **intensive alkaline treatment of gastric and duodenal ulcer and hyperchlorhydric dyspepsia.**

An improvement on the original powders. The ingredients remain well suspended. These creams are exceptionally fine, free from grittiness, convenient, and pleasant to use. In the cases of Formulæ A to K, 2 fluid drachms, the average dose, contains 30 grains of powder.

**8 oz. bottles for prescribing.**
**80 oz. bottles for dispensing.**

## Formula A

| | |
|---|---|
| Sod. Bicarb. .. .. | 2 parts |
| Mag. Carb. .. .. | 4 parts |
| Calc. Carb. .. .. | 4 parts |
| Bism. Carb. .. .. | 1 part |

The standard preparation.

## Formula B

| | |
|---|---|
| Sod. Bicarb. .. .. | 2 parts |
| Mag. Carb. .. .. | 3 parts |
| Calc. Carb. .. .. | 4 parts |
| Bism. Carb. .. .. | 2 parts |

For cases where Formula A proves too laxative.

## Formula C

| | |
|---|---|
| Sod. Bicarb. .. .. | 3 parts |
| Mag. Carb. .. .. | 8 parts |
| Calc. Carb. .. .. | 12 parts |

For cases in which a bismuth-free preparation is desired.

## Formula D

| | |
|---|---|
| Mag. Carb. .. .. | 4 parts |
| Calc. Carb. .. .. | 6 parts |
| Bism. Carb. .. .. | 1 part |

For cases where the use of sodium bicarbonate is regarded as disadvantageous.

## Formula F

| | |
|---|---|
| Calc. Carb. .. .. | 4 parts |
| Mag. Carb. .. .. | 1 part |

Contains neither bismuth carbonate nor sodium bicarbonate.

## Formula K

| | |
|---|---|
| Sod. Bicarb. .. .. | 2 parts |
| Mag. Carb. .. .. | 3 parts |
| Calc. Carb. .. .. | 4 parts |
| Osmo Kaolin .. .. | 2 parts |

The bismuth is replaced by colloidal kaolin, which has marked toxin-adsorbing properties.

## Lozenges

Prepared from Formula A or C. Each lozenge contains 15 grains.

## Pulvis Alkalinus

Formula A in powder form. In 4 oz. and 8 oz. bottles.

## Two New Formulæ

### Formula L

| | |
|---|---|
| Aluminium Hydroxide | 3 grains (2½%) |
| Osmo Kaolin .. .. | 24 „ (20%) |

in 2 fluid drachms.

For hyperchlorhydric dyspepsia, colitis, etc.

### Formula M.S.

| | |
|---|---|
| Magnesium Silicate .. | 25 grains (20%) |

in 2 fluid drachms.

Has a prolonged adsorbent and neutralizing action.

*Descriptive booklet and clinical trial sample sent post free on application.*

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# *Head off the secondary complications!*

## STREPTOCOCCUS ANTITOXIN (SCARLATINA)

GLOBULIN *Lederle* MODIFIED

WE collected the experience on 306 patients in 18 hospitals and found, as we expected, that our Globulin-Modified process of refinement had cut in half the percentage of reactions. The percentage of *severe* reactions was only 2%!

We also found in our hands new evidence of the efficacy of antitoxin in heading off sequelae, if administered *early*.

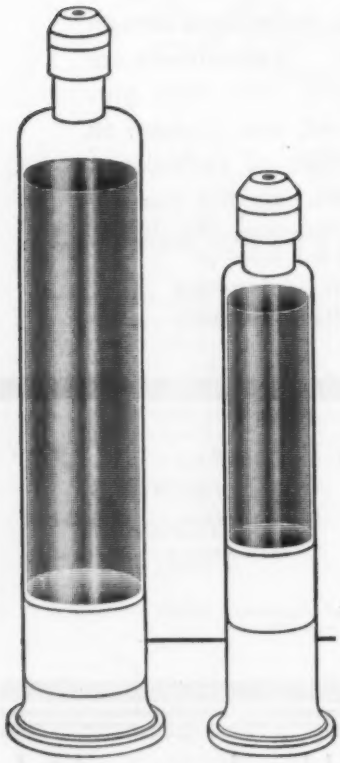
Irrespective of the apparent severity of the case, patients treated on the first or second day of the disease, in most instances, showed a prompt cessation of all symptoms within a few days. When treatment was delayed beyond this period, there was a sharp rise in the incidence of secondary complications and their severity.

| Number of Cases | 132 | 97 | 22 |
|---|---|---|---|
| Antitoxin given on | 1st and 2nd days | 3rd and 4th days | After 4th day |
| Adenitis | 3.7% | 7.2% | 4.5% |
| Otitis media | 6.1% | 8.2% | 18.1% |
| Mastoiditis | . . | 1.03% | 13.6% |
| Nephritis | . . | 1.03% | 4.5% |
| Sinusitis | . . | 2.0% | . . |

For maximum clinical response, institute antitoxin therapy early and in adequate dosage.

The coming of the Globulin-Modified antitoxin largely relieves the physician from the old fears of reactions and clears the way for the use of the ideal therapy, even in the mildest cases, reducing the incidence of secondary complications.

*Send for Booklet*
*"Scarlet Fever Control and Treatment"*



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ACTUAL SIZE—THERAPEUTIC DOSE

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TRADE MARK **'TABLOID'** BRAND

# SULPHONAMIDE-P

## 0·5 gramme

(*p*-aminobenzenesulphonamide or sulphanilamide)

Successfully employed in Hæmolytic Streptococcal Infections such as:—

Streptococcal Septicæmia, including Puerperal Septicæmia, Scarlet Fever with Complications, Erysipelas, Tonsillitis and also in Meningococcal Infections, Gonococcal Infections, Urinary Tract Infections such as *B. coli* and Proteus ammoniæ.

Laboratory experience indicates that trial is also justified in:—

Staphylococcal Septicæmia and Staphylococcal Infections, Typhoid and Paratyphoid Fevers.

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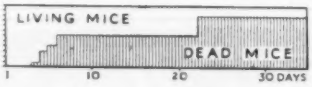
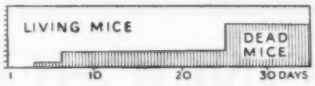
(1) UNTREATED CONTROLS

(2) AFTER 2 MGM. SULPHONAMIDE-P

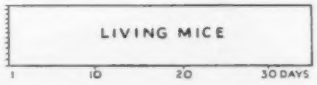



(3) AFTER 10 MGM. SULPHONAMIDE-P




(4) AFTER 50 MGM. SULPHONAMIDE-P

No abscesses were seen on post-mortem examination. Spleen cultures were sterile

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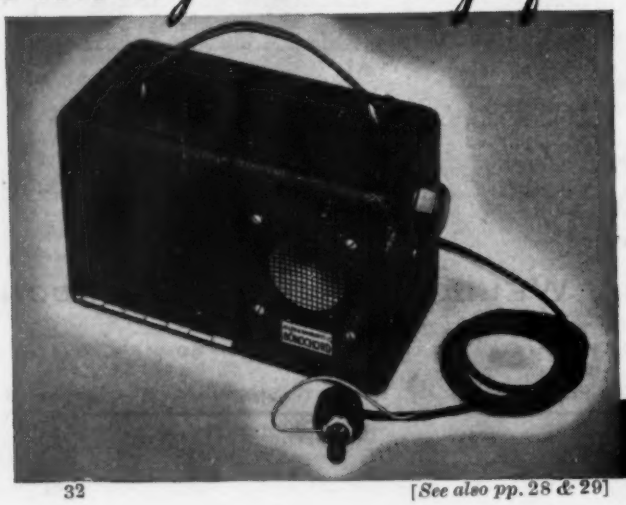

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[*See also pp.* 28 & 29]

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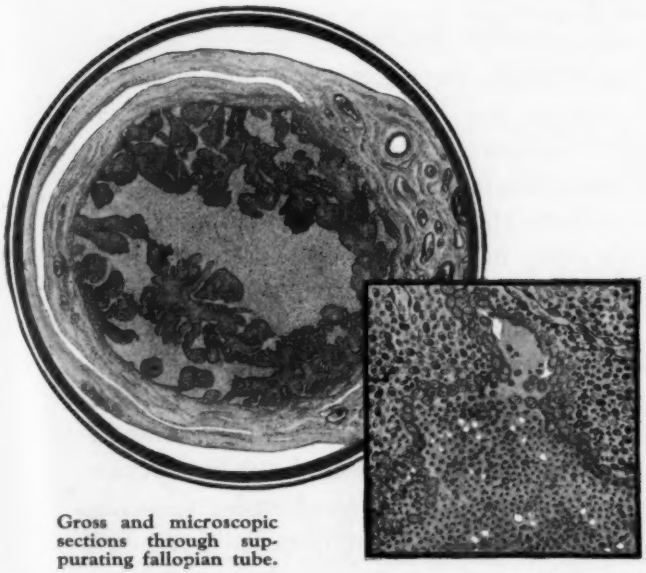

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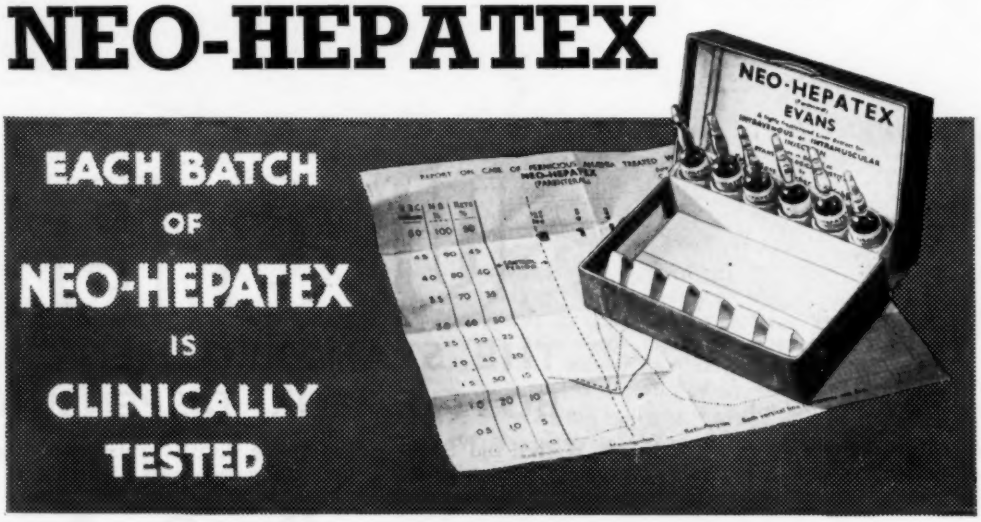


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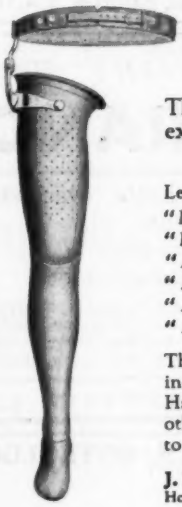

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| ,, | 14th. | Radiology in Obstetrics and Gynæcology. | Dr. R. E. ROBERTS, M.D., D.M.R.E. |
| ,, | 21st. | Radiology in Obstetrics and Gynæcology (continued). | Dr. R. E. ROBERTS, M.D., D.M.R.E. |
| ,, | 28th. | Breech Cases .. .. | Professor J. CHASSAR MOIR, M.D., F.R.C.S., F.C.O.G. |
| Nov. | 4th. | Puerperal Sepsis .. | Dr. R. M. FRY, M.R.C.S., L.R.C.P. |
| ,, | 11th. | Obstetric Emergencies.. | Dr. W. H. F. OXLEY, M.R.C.S., L.R.C.P., F.C.O.G. |
| ,, | 18th. | Abortion | |
| ,, | 25th. | Hæmorrhage of Late Pregnancy. | Professor F. J. BROWNE, M.D., D.Sc., F.R.C.S., F.C.O.G. |
| Dec. | 2nd. | Hæmorrhage of Late Pregnancy (continued). | Professor F. J. BROWNE, M.D., D.Sc., F.R.C.S., F.C.O.G. |
| ,, | 9th. | Toxæmias of Pregnancy | Mr. G. F. GIBBERD, M.S., F.R.C.S. |
| ,, | 16th. | Toxæmias of Pregnancy (continued). | Mr. G. F. GIBBERD, M.S., F.R.C.S. |
| 1938. | | | |
| Jan. | 6th. | Disproportion and Difficult Labour. | Mr. LESLIE WILLIAMS, M.D., M.S., F.R.C.S., F.C.O.G. |
| ,, | 13th. | Disproportion and Difficult Labour (continued). | Mr. LESLIE WILLIAMS, M.D., M.S., F.R.C.S., F.C.O.G. |
| ,, | 20th. | Cæsarean Section .. | Mr. J. BRIGHT BANISTER, M.A., M.D., F.R.C.P., F.R.C.S., F.C.O.G. |
| ,, | 27th. | Anæsthesia and Analgesia | Professor J. CHASSAR MOIR, M.D., F.R.C.S., F.C.O.G. |

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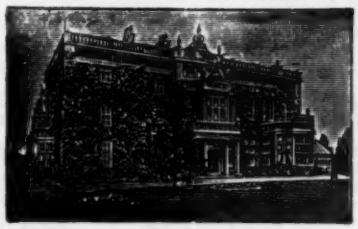

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# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

**Telegrams: "Alleviated, London."** **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.
An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

# PRIOR PLACE SANATORIUM

**HEATHERSIDE, CAMBERLEY, SURREY.**

**FOR THE TREATMENT OF PULMONARY TUBERCULOSIS**

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

# CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# NORTHUMBERLAND HOUSE

**GREEN LANES.**

**FINSBURY PARK, N.4**

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

*Telephone:* Stamford Hill 2658. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.
For further particulars apply to the MEDICAL SUPERINTENDENT.

## THE CLINIC

**20 Devonshire Place**
**London, W.1**

*Tel.: Welbeck 4444 (20 lines)*

**A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES**

Fees 10 gns. to 18 gns. per week (Average—14 gns.). 8 Operating Theatres. 150 State Registered Nurses. 2 Resident Medical Officers (for emergencies).
Patients only received under the supervision of their own Medical Practitioner.
Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

## BOWDEN HOUSE, Harrow-on-the-Hill

For residential treatment of

## FUNCTIONAL NERVOUS DISORDERS

No case under certificate. Thorough clinical and pathological examinations. Psychotherapeutic treatment, occupation, and recreation as suited to the individual case.

*STAFF.*—H. CRICHTON-MILLER, M.A., M.D., M.R.C.P. (*Senior Physician*). GRACE H. NICOLLE, M.A., M.B. (*Resident Physician*). S. ROODHOUSE GLOYNE, M.D., D.P.H. (*Consulting Pathologist*). MILDRED CARPENTER, M.B., B.S. (*Pathologist*). T. S. RIPPON, M.R.C.S., L.R.C.P. (*Medical Superintendent*).

Telephone and Telegrams: BYRON 1011.

## Smedley's
Great Britain's Greatest Hydro
**Matlock**

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
*Resident Physicians:* G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**
*Illustrated Brochure C.J. and full information on request.*
*Telephone*—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

*There's*
## LIFE *at*
## *Harrogate . . . always*
***• Life in her waters . . . .***

specially suitable for the treatment of Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver: Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc.: the Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis, Gout, Hyperpiesis, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.
A wide range of Sulphur waters, strong and mild, and of Iron waters, both saline iron and pure chalybeate, is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets obtainable at hotels and boarding houses, without extra charge. Complimentary and reduced price facilities for the Cure, Accommodation and Amusements for Members of the Medical Profession.

***• Life in her air, recreations, concerts, surroundings . . .***

## Harrogate

*MONTHLY RETURN TICKETS AT A PENNY A MILE*
"IT'S QUICKER BY RAIL"
Descriptive Booklet from Spa Manager, Harrogate or any L.N.E.R. Office or Agency. 6

*"A Spa that is different."*

## RHEUMA SPA OF WALES
**KINMEL HALL, ABERGELE**

For rheumatic and similar disabilities this Spa offers recuperative advantages different from any other Spa.

Most modern treatments under supervision of qualified Resident Physician.

Beautiful country mansion in own 1000 acres. First-class cuisine, special diets.

All indoor and outdoor recreation facilities—fishing, riding, rough shooting, all games, etc. Attractive Country Club (licensed).

*Write for handsome book, post free, to The Secretary, Kinmel Hall, Abergele.* Telephone: Abergele 156/7.

## STRETTON HOUSE,
**Church Stretton, Shropshire.**

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2328.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

## BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

*For further particulars apply—*
Dr. ERNEST ROLLINS, Resident Physician.
*Tel.:* Clissold 1648.

## HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL,
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

## SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**
**For Mental Cases with or without Certificates.**
*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*
For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWEN.
INTERVIEWS IN LONDON BY APPOINTMENT.

# EPILEPSY

Owing to extensions there are at present a few Vacancies at the

## DAVID LEWIS COLONY

For Ladies and Gentlemen who have Epilepsy but are of good intelligence and sound mind.

Colony life gives to most people who have epilepsy the best chance of happiness and contentment.

Apply to the DIRECTOR, THE DAVID LEWIS COLONY, WARFORD, ALDERLEY EDGE.

## HOME FOR EPILEPTICS

MAGHULL (near LIVERPOOL)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £3 p.w. upwards.
2nd Class (men and women) 32/- p.w.

*For further particulars apply:*

C. EDGAR GRISEWOOD, A.C.A., Secretary,
20, Exchange Street East, Liverpool, 2

# COURT HALL

## KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

**CLIFFDEN, TEIGNMOUTH,** for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.
*Resident Physicians*—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.
*Telephones*—Starcross 59 and Teignmouth 289.

## PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

## BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.

Telephone: No. 6207 Barnwood.

## THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

## City of London Maternity

HOSPITAL, City-road, E.C.1.

Applications are invited for the post of MALE ASSISTANT RESIDENT OFFICER for three months from October 1st. At the end of the period the candidate will, if satisfactory, be appointed Senior for three months at £100 per annum.

Forms of application, returnable not later than September 11th, may be obtained from the Secretary.

## Central London Ophthalmic Hospital,

Judd-street, St. Pancras, W.C.1.

Applications are invited for the post of ASSISTANT SURGEON. Candidates must be Fellows of the Royal College of Surgeons (England) or hold the degree of M.S. (London) in Ophthalmology, and must have held a post as Clinical Assistant for two years at least at a recognised Ophthalmic Hospital.

Applications, with copies of not more than four testimonials, must reach the Secretary of the Hospital not later than September 11th.

## Central London Ophthalmic Hospital,

Judd-street, St. Pancras, W.C.1.

There is a vacancy for a PATHOLOGIST. Candidates must be duly registered Medical Practitioners and must be willing to attend the hospital on three afternoons each week. The appointment is for one year (subject to re-election) and carries with it an honorarium of £105 per annum.

Applications, with copies of not more than four testimonials, must reach the Secretary of the Hospital not later than September 11th.

## Royal Free Hospital, Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Women for the following post:—

RESIDENT CASUALTY OFFICER.

Duties to commence 1st October, 1937, for six months. Salary £150 per annum. Candidates must have held previous resident Hospital appointments.

Application forms may be had from the undersigned and should be duly filled in and returned on or before 13th September, 1937.

RICHARD T. BARTLEY, Secretary.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of ASSISTANT RADIUM THERAPIST (Full-time).

Applicants must be registered Medical Practitioners, who hold a Diploma in Radiology.

The appointment will be for one year (subject to renewal) commencing 1st October, 1937, at a salary at the rate of £500 per annum.

Applications to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the Secretary not later than the first post Monday, 13th September, 1937.

CLEMENT COBBOLD, Secretary.

## Bolingbroke Hospital,

Wandsworth Common, S.W.11.
(135 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male, unmarried).

The post is that of Senior Resident Officer and the work being chiefly surgical preference will be given to candidates holding the F.R.C.S. qualification.

The appointment is for twelve months commencing on October 1st, 1937.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned on or before September 8th, 1937.

W. S. RANDOLPH BISS, Secretary-Superintendent.

## Royal National Orthopædic Hospital.

Applications are invited for the posts of HOUSE SURGEONS (two, Male, unmarried) for a period of six months commencing October 1st, renewable for a further period of six months on the recommendation of the Medical Board. £150 per annum, with full board, quarters, and laundry. Applicants should be registered Medical Practitioners.

Applications, with copies of testimonials, should be sent to the House Governor, 234, Great Portland-street, W.1, not later than September 14th.

## West London Hospital,

Hammersmith, W.6. (239 Beds.)

Required one HOUSE PHYSICIAN, one HOUSE SURGEON, and one HOUSE SURGEON (with Throat, Nose, and Ear duties). The duties of the House Physician include some work in the Children's Department, one House Surgeon will have some work in the Genito-Urinary Department, and the House Surgeon (with T.N. and E. duties) will also act as Resident Casualty Officer. These three appointments (Males) are tenable for six months from 1st October next subject to one month's notice on either side. Salary at the rate of £100 per annum, with board, lodgings, and laundry allowance. Candidates must be registered under the Medical Act.

Applications (which must be made on the printed forms obtained from me) must reach me not later than the first post on Thursday, 16th September. Selected candidates will be required to call upon such Members of the Medical Staff as directed, to be in attendance at the Medical Council Meeting on Friday, 24th September, at 4.30 P.M., and the House Committee Meeting at 5 P.M. the same day, when the appointments will be made.

H. A. MADGE, Secretary.

## Woolwich and District War MEMORIAL HOSPITAL,

Shooters Hill, London, S.E.18.

General Hospital (112 Beds).

RESIDENT SURGICAL OFFICER.

The Board of Management invites applications from suitably qualified Male candidates for appointment as Resident Surgical Officer. Applicants must have special knowledge of surgery. This appointment (which is recognised by the Royal College of Surgeons of England for the six months' training required of candidates before admission to the Final Examination for the Fellowship) will be for twelve months with effect from October 1st, 1937, at a salary of £175 per annum, plus board, residence, and laundry, and subject to extension for a further twelve months at £200 per annum, if approved by the Board of Management.

The closing date for the receipt of applications, which should be made on the prescribed form (obtainable from the undersigned), is September 18th, 1937, and short-listed candidates will be required to meet the Appointments Committee on Thursday, September 23rd, at 4.45 P.M.

R. S. G. HUTCHINGS, Secretary.

## The Manor House Hospital,

Golders Green, London, N.W.11.

Applications are invited for the post of JUNIOR MEDICAL OFFICER. Salary at the rate of £200 per annum, with board-residence. Candidates, Male and unmarried, must be fully qualified and registered.

Applications, stating full particulars and accompanied by copies of not more than three recent testimonials, should be addressed to reach the undersigned as soon as possible.

JAMES W. LINKHORN, F.C.C.S., Secretary.

## St. Peter's Hospital for Stone, &c.,

Henrietta-street, Covent Garden, W.C.2.

The office of HOUSE SURGEON will fall vacant on 1st October, 1937, and applications are invited from Male candidates with previous experience in a similar office at a General Hospital. The salary offered is at the rate of £75 per annum, with board, lodging, and laundry.

At the expiration of six months' term of office, and subject to the recommendation of the Medical Committee, the House Surgeon is appointed Resident Surgical Officer for a further similar period. Candidates should therefore be prepared, if successful, to remain at the Hospital for twelve months in all.

Applications, accompanied by copies of testimonials, should be forwarded to reach the undersigned not later than the first post on Tuesday, 7th September, 1937.

BEECHEY ROGERS, Secretary.

## British Postgraduate Medical SCHOOL.

There are three vacancies for HOUSE SURGEONS in the Surgical Unit, British Postgraduate Medical School, Hammersmith Hospital, Ducane-road, W.12.

The appointments are for six months in the first instance and the holder may apply for a further period of six months. Salary at the rate of £105 per annum, with board, lodging, and laundry. Duties to commence on 1st October, 1937.

Duties are mainly in General Surgery, but one appointment is to the Department of Traumatic and Orthopædic Surgery. It is desirable that applicants should have held a previous House appointment.

Applications, with copies of testimonials, should be sent to the Dean of the School not later than 13th September, 1937.

## St. Mary's Hospital for Women AND CHILDREN, Plaistow, E.13

HONORARY DERMATOLOGIST.

The Committee will shortly proceed to the appointment of an Honorary Physician in charge of the Skin Department. Attendance on one afternoon only each week. Applicants should be graduates of a University and Fellows or Members of the Royal College of Physicians, London.

Applications should be addressed before September 13th in the first place to the undersigned.

23rd August, 1937. A. ERNEST WILKES, Secretary.

## Westminster Hospital,

Broad Sanctuary, S.W.1.

THE "WANDER" SCHOLARSHIP IN DISEASES OF CHILDREN.

Applications are invited for the office of "WANDER" SCHOLAR (Clinical Pathologist and Registrar to the Children's Department).

Salary £250 per annum. Duties to commence 1st October, 1937. Candidates must be registered Medical Practitioners who have held a Resident Hospital post and had some experience in Pathology or in Diseases of Children. The office is a whole-time one and is tenable for one year.

Applications (six copies), together with six copies of three recent testimonials, should be submitted to the undersigned (from whom further details regarding the duties of the office can be obtained), not later than Friday, September 17th, 1937.

By order of the House Committee.

CHARLES M. POWER, Secretary.

## Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, W.10.

(81 Beds.)

HOUSE PHYSICIAN (either sex) required for six months from 1st October, 1937. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned, and must reach him not later than Saturday, 18th September, 1937. H. J. ELEY, Secretary.

## The Willesden General Hospital,

Harlesden-road, N.W.10.

Applications are invited from fully qualified and registered candidates (unmarried) for the appointment of a Resident Officer, to hold the appointment of CASUALTY OFFICER for a period of three months from the 1st October, 1937, followed by a six months' appointment as HOUSE PHYSICIAN (total nine months).

Salary at the rate of £100 per annum.

Applications to be received by the Secretary not later than first post on Tuesday, 14th September, 1937.

25th August, 1937.

## Dreadnought Hospital,

Greenwich, S.E.10 (Seamen's Hospital Society).

Applications are invited for the non-resident post of RECEIVING ROOM OFFICER (Male), for six months from the 18th October. Salary £200 per annum, with lunch and tea. Hours of attendance: week-days 9 A.M. to 5 P.M., Saturdays 9 A.M. to 12 noon.

Applications, stating age, nationality, and experience of previous House appointments, accompanied by copies of testimonials, to be sent in immediately to the undersigned.

26th August, 1937. F. A. LYON, Secretary.

## The Salvation Army,

THE MOTHERS' HOSPITAL,

Lower Clapton-road, Clapton, E.5.

Applications are invited for the appointment of an HONORARY PHYSICIAN to The Mothers' Hospital. Candidates must be members of the Royal College of Physicians and engaged in Consulting Practice.

Details of the appointment may be obtained from the Secretary-Superintendent, to whom twelve copies of the application, with three recent testimonials, should be sent by September 30th, 1937. EDGAR DIBDEN, Secretary-Superintendent.

## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A RESIDENT HOUSE PHYSICIAN (Male) and a RESIDENT HOUSE SURGEON (Male) are required. Duties to commence on the 18th October, 1937.

The appointments are tenable for six months. Salaries at the rate of £100 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 27th September, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 6th October, 1937.

Further particulars and forms of application are obtainable from the undersigned.

August, 1937. HERBERT F. RUTHERFORD, Secretary.

## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

Applications are invited for the post of RESIDENT SURGICAL OFFICER, which becomes vacant on the 1st November, 1937 (salary £200 per annum).

The appointment is tenable in the first instance for one year, but may be held for a period of two years subject to annual re-election.

Candidates must be unmarried, possess a legal qualification to practise, and must have held a responsible Hospital appointment at a General Hospital.

Applications must be received by noon on Monday, the 27th September, 1937, and candidates must be prepared to attend for interview at the Hospital on Wednesday, 6th October, 1937, at 4.45 P.M.

Full details of the appointment and forms of application are obtainable from the undersigned.

August, 1937. HERBERT F. RUTHERFORD, Secretary.

## The Hospital for Women,

Soho-square, London, W.1.

Applications are invited for the post of HONORARY CONSULTING PHYSICIAN to the In-patient Department. Candidates must be Fellows or Members of one of the Royal Colleges of Physicians of the United Kingdom and engaged in Consulting practice only.

Applications should reach the undersigned, from whom further information can be obtained, not later than 27th September. J. P. HEMING, Secretary.

## The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

RESIDENT SURGICAL OFFICER (Male) required for a period of six months in the first place from 1st October, 1937, eligible for re-election. Salary at the rate of £200 per annum, with board, residence, and laundry (together with £25 to cover all duties during the six months relating to Private Patients). Previous resident experience and F.R.C.S. essential.

Full particulars may be obtained from the Secretary-Manager, by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M. September 14th, 1937.

## The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

HOUSE PHYSICIAN AND CASUALTY OFFICER (Male or Female) required for a period of six months as from 1st October, 1937, also

CASUALTY OFFICER AND OBSTETRIC HOUSE SURGEON (Male or Female) required for a period of six months as from 1st October, 1937.

The following details apply to both posts. Salary at the rate of £110 per annum, with board, residence, and laundry (together with £10 to cover all duties during the six months relating to private patients). Previous residence experience desirable but not essential. Full particulars may be obtained from the Secretary-Manager by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M. September 14th, 1937.

## The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

Applications are invited for the post of HONORARY ASSISTANT OBSTETRIC PHYSICIAN and GYNÆCOLOGIST to the above Hospital. Applicants must be Fellows of the Royal College of Surgeons, England.

Full particulars may be obtained from the Secretary-Manager by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M. September 14th, 1937.

## HIS MAJESTY'S COLONIAL SERVICE

### COLONIAL MEDICAL SERVICE

A vacancy exists for an ASSISTANT MEDICAL SUPERINTENDENT at the Central Mental Hospital, Tanjong Rambutan, in the Federated Malay States.

QUALIFICATIONS.—Candidates must be British subjects of European parentage under thirty-three years of age and must have had at least two years' experience as an assistant medical officer in a County, City, or Borough Mental Hospital, in Great Britain or Ireland. Possession of medical qualifications registrable in the United Kingdom and a Diploma in Psychological Medicine is essential.

SALARY.—£840 a year rising by annual increments of £35 to £1120 a year.

QUARTERS.—Furnished quarters are provided at a small rental.

PASSAGES.—Free passages will be provided both for an officer and his family on first appointment and when proceeding on or returning from leave.

TERMS OF APPOINTMENT.—The appointment is pensionable, subject to a probationary period of three years in the first instance.

DUTIES.—The officer will be required to assist the Medical Superintendent in the treatment of patients, maintenance of discipline, &c., in the Mental Hospital. He may be required to give lectures and clinical teaching on mental diseases to students of the College of Medicine, Singapore.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (COLONIAL SERVICE), 2 RICHMOND TERRACE, WHITEHALL, LONDON, S.W.1.

## Elizabeth Garrett Anderson Hospital,

Euston-road, W.1.

Applications are invited from qualified women for the resident post of THIRD HOUSE SURGEON.

The appointment is for four months, with a possible extension for a further six months. Duties to begin 1st October, 1937. Salary at the rate of £50 per annum with board, residence, and laundry.

Further particulars can be obtained from the undersigned, to whom applications with copies of three testimonials should be sent on or before 17th September.

JEAN R. MURRAY, Secretary.

## Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the following appointment:—HOUSE SURGEON, vacant on 15th October. The appointment is for nine months, six months as House Surgeon and three months as Casualty Officer. Salary at the rate of £70 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to be sent by September 10th to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

## BRITISH POSTGRADUATE MEDICAL SCHOOL

(University of London)

A LECTURE
on
TUBO-VALVULAR GASTROSTOMY
will be given by
PROFESSOR MAX THOREK OF CHICAGO
at 3 P.M. on WEDNESDAY, SEPTEMBER 8TH

The Lecture is open to all medical men and women. Tube Station: Wood Lane (Central Railway). No. 7 (Acton Vale) Bus.

## West London Hospital,

Hammersmith-road, W.6. (239 Beds.)

Required, one RESIDENT ANÆSTHETIST (Male). The appointment is tenable until 31st March, 1938, subject to one month's notice on either side. Salary at the rate of £100 a year, with board, lodging, and laundry allowance.

Candidates must be registered under the Medical Act.

Applications (which must be made on printed forms, obtained from me) must reach me not later than first post on Thursday, 16th September. Selected candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at the Medical Council Meeting on Friday, 24th September, at 4.30 P.M. and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

## National Temperance Hospital,

Hampstead-road, N.W.1.

Applications are invited for the post of HONORARY DERMATOLOGIST. Applicants should have the Degree of Member of the Royal College of Physicians, or be graduates of a University.

Twenty copies of applications, giving full particulars, with copies of three recent testimonials, should be sent to the Secretary by Wednesday, September 15th.

## GENERAL POST OFFICE

### HEADQUARTERS MEDICAL BRANCH

(Female Staff)

There will shortly be two vacancies for ASSISTANT WOMEN MEDICAL OFFICERS in the Headquarters Medical Branch. The appointments will be pensionable and will carry a salary commencing at £500 a year and rising by annual increments of £25 to £700 a year. The rates of salary are liable to review.

Each candidate must be fully qualified Medical Practitioner, a natural-born British subject, and the child of a person who is or was at the time of death a British subject. Candidates must also be unmarried, or widows. Preference will be given to candidates under thirty who have held one or more Hospital appointments. The successful candidates will not be allowed to engage in private practice in addition to their official duties.

Applications, stating qualifications, age, &c., with copies of any recent testimonials, should be sent to the Chief Medical Officer, General Post Office, London, E.C.1, not later than the 20th September, 1937.

Political influence should not be sought in support of applications; it would prejudice rather than assist the candidature.

The Female Medical Staff at Headquarters consists of a senior Woman Medical Officer and five Assistant Women Medical Officers. Information as to the duties can be obtained from the Chief Medical Officer.

Candidates may be required to attend for personal interview in London at their own expense.

## The National Temperance Hospital,

Hampstead-road, N.W.1.

Applications are invited for the following post—CASUALTY OFFICER (Male). Salary £120 per annum, board, residence, and laundry allowance being provided.

The appointment is for a period of six months, as from October 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Wednesday, September 15th, addressed to the Secretary.

## St. Bartholomew's Hospital.

OFFICE OF OPHTHALMIC SURGEON.

Notice is hereby given that a meeting of the Election Committee will be held on Tuesday, 19th October, 1937, at 4 o'clock in the afternoon to elect an Ophthalmic Surgeon to the Hospital.

Candidates, who must be Fellows of the Royal College of Surgeons of England, are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Saturday, 25th September, 1937.

21st August, 1937. THOMAS HAYES, Clerk to the Governors.

## Central London Throat, Nose and EAR HOSPITAL, Gray's Inn-road, W.C.1.

RESIDENT HOUSE SURGEON (Male).

There will be a vacancy for a Third Resident House Surgeon to enter on duty on October 1st, 1937. The appointment will be for a period of nine months: three months as Third House Surgeon, three months as Second House Surgeon, and three months as First House Surgeon. Remuneration at the rate of £75 per annum.

Applications, accompanied by copies of not more than three testimonials, should be sent to the undersigned as soon as possible. JOHN H. YOUNG, Secretary-Superintendent.

## London County Council.

INFECTIOUS HOSPITALS.

Applications invited from Medical Practitioners for appointment as ASSISTANT MEDICAL OFFICERS, Grades 1 and 2, at various hospitals for infectious diseases. Salaries are: Grade 1 £350–£25–£425 a year; Grade 2, £250 a year, both inclusive of board, lodging, and washing. Candidates for Grade 1 positions should have had experience in a resident appointment in a general hospital, and must have had fever experience. Appointment as Assistant Medical Officers, Grade 2, are for one year only in first instance (renewable for a second year under certain conditions), but officers are eligible for promotion to Grade 1 after a minimum period of six months' service.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, S.E.1, returnable by 15th September. Canvassing disqualifies.

## London County Council.

PUBLIC HEALTH DEPARTMENT.

Applications are invited for two vacant positions of Part-time OBSTETRICIAN and GYNÆCOLOGIST. Appointments will be to the hospital service of the Council but in the first instance one of the appointed officers will be allocated to DULWICH and ST. GILES' (Camberwell) Hospitals and the other to ST. MARY, ISLINGTON, ARCHWAY (Highgate) and HIGHGATE Hospitals. Remuneration £800 a year and £600 a year respectively. Each officer will be responsible, subject to the general administrative supervision and control of the medical superintendents, for the whole of the obstetric and gynæcological work at the hospitals to which he is attached (there are no maternity beds at Archway and Highgate Hospitals). Each officer will be required to live within a reasonable distance of these hospitals and to visit them daily and as required (weekly and as required in the case of Archway and Highgate Hospitals).

Application forms containing further particulars (stamped addressed envelope necessary) from the Medical Officer of Health (S.D.6), County Hall, Westminster Bridge, S.E.1. Forms returnable by 24th September. Canvassing disqualifies.

## London County Council.

Applications invited from Medical Practitioners with appropriate qualifications for the appointment of ASSISTANT PATHOLOGIST in the Council's pathological service. Salary £650–£25–£800.

For appointments in the Group Laboratories candidates should have special experience in one or more branches of pathology in relation to the diagnosis and treatment of disease.

For the appointment at the Central Histological Laboratory advanced experience in morbid histology and post-mortem work is essential.

Forms of application and further particulars (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, Westminster Bridge, S.E.1, returnable by 24th September, 1937.

Canvassing disqualifies.

## London County Council.

ASSISTANT MEDICAL OFFICER (Man or Woman) required for MENTAL SERVICES. Candidates (under thirty-five years of age) must (1) be registered to practise both in medicine and surgery in England, (2) be of at least one year's professional standing, and (3) have held residential position in general hospital for six months or comparable general experience. Salary £470 a year, rising by £25 to £570 (additional allowance of £50 to holders of D.P.M.).

No emoluments. Charges for board, lodging, &c. (at present £2 9s. a week) if required to be resident. Pensionable. In the case of women, marriage terminates contract of service.

Application form, returnable by 22nd September, obtainable from Chief Officer (B), Mental Hospitals Department, Shell-Mex House, Strand, W.C.2. Canvassing disqualifies.

## The Buchanan Hospital, ST. LEONARDS-ON-SEA. (103 Beds.)

HOUSE SURGEON (Female) required to commence duties 1st October, 1937. Salary from £125 per annum according to experience.

Candidates must be duly registered Medical Practitioners, and applications, which should include three copies of recent testimonials, should be sent to the undersigned immediately.

FRANK HART, Secretary.

## City of Birmingham.

PUBLIC HEALTH DEPARTMENT.

LITTLE BROMWICH HOSPITAL FOR INFECTIOUS DISEASES.

JUNIOR RESIDENT MEDICAL OFFICERS.

Two Junior Resident Medical Officers (one Male and one Female) required. Candidates must be unmarried and must have held previous resident posts in General or Children's Hospitals.

Salary at the rate of £300 per annum, together with board, &c., valued at £150 per annum. These appointments are limited to twelve months.

The officers appointed will be required to pay to the Council all fees, allowances, and emoluments (other than the foregoing) received by them.

It is not feasible to attend classes for the D.P.H. in conjunction with these appointments.

Forms of application may be obtained from the Medical Superintendent, Dr. J. McGarrity, Little Bromwich Hospital, Birmingham, 9, and should be returned to him on or before the 18th September. F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham.

## Cheshire County Council.

CLATTERBRIDGE (COUNTY) GENERAL HOSPITAL, NR. BIRKENHEAD. (300 Beds.)

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications (Male or Female) are invited for the above appointment which falls vacant on the 1st October.

The appointment is for a period of six months at a salary of £200 per annum, together with the usual residential allowances.

The appointment may be renewed for a further period of six months.

There is a non-Resident Medical Superintendent, a Resident Deputy Medical Superintendent, and a Consulting Staff from Teaching Hospitals.

Applications to be made on forms obtainable from the undersigned and returned not later than the 15th September, 1937.

IAN MACKAY, County Medical Officer of Health.

24, Nicholas-street, Chester.

## The Sheffield Royal Hospital. (340 Beds.)

Applications are invited for the post of SENIOR CASUALTY OFFICER.

Salary £150 per annum, with board and residence. The post is next in seniority to the Resident Surgical Officer, and candidates (Male) must have had some experience.

Applications, with copies of testimonials, to the Superintendent and Secretary.

## King Edward Memorial Hospital, EALING. (131 Beds.)

Applications are invited for the posts of:

RESIDENT MEDICAL OFFICER (Male). Six months' appointment with possibility of re-election for a further period. Salary £275 per annum, with usual residential emoluments. Applicants must have had good experience (at least two years) in House appointments.

CASUALTY HOUSE SURGEON (Male) (with which is combined the duty of deputising for the House Physician). Six months' appointment with possibility of re-election for a further period. Salary £150 per annum with usual residential emoluments.

Applications, stating age, experience, and qualifications, and accompanied by copies of two recent testimonials, to be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## Cheshire Joint Sanatorium. (240 Beds.)

Applications are invited for the above post of THIRD ASSISTANT MEDICAL OFFICER (Male). The salary will be at the rate of £250 per annum, with board, residence, and laundry. Appointment for a period of twelve months.

Forms of application may be obtained from the Medical Supt., Cheshire Joint Sanatorium, Market Drayton, Salop.

## Royal Albert Edward Infirmary AND DISPENSARY, WIGAN. (180 Beds.)

Wanted for twelve months, commencing October 1st, 1937, RESIDENT MEDICAL AND SURGICAL OFFICER AND REGISTRAR. Candidates must have held previous resident appointments at a Hospital. Preference will be given to those possessing the F.R.C.S. or M.S. Degree. The salary is at the rate of £250 per annum, with board, residence, and laundry.

Applications, giving proof of registration and not more than three testimonials, to be sent to the undersigned as soon as possible.

A. STANLEY BRUNT,
General Superintendent and Secretary.

12th August, 1937.

## Manchester Royal Infirmary.

RESIDENT CASUALTY OFFICER (Male).

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointment.

Applicants must hold a Medical and Surgical qualification and be registered.

The appointment is for twelve months subject to the provisions of the Bye-laws as to Notice.

Salary is at the rate of £150 per annum with allowance for laundry.

Applicants must state age and send twelve copies of their application and testimonials to the undersigned not later than 9 A.M., Thursday, 9th September, 1937.

By order.

W. R. TINDALE, Gen. Supt. and Secretary.

23rd August, 1937.

## Prestwich Mental Hospital,

MANCHESTER.

Required immediately LOCUM TENENT MALE MEDICAL OFFICER. The Hospital is a training school. Salary 7 gns. per week and all found.

Candidates must be unmarried and registered under the Medical Act. Appointment terminable by one week's notice on either side.

Apply, stating age, hospital and other experience, qualifications, and full particulars to the Medical Superintendent as above.

## County of Kent.

ASSISTANT TUBERCULOSIS OFFICER (Male).

Applications are invited for the above-mentioned whole-time appointment on the staff of the Public Health Department.

The duties will include attendance at dispensaries, clinical supervision of sanatorium beds, and such other work as may be assigned from time to time.

The salary is at the rate of £600 a year rising, subject to satisfactory service, by annual increments of £25 to a maximum of £750 a year, with subsistence and travelling allowances, according to the county scale.

The post is designated as an established one under the Local Government and Other Officers' Superannuation Act, 1922, and is terminable by three months' notice on either side. The successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications, and clinical experience, with special reference to practical experience in the diagnosis and treatment of tuberculosis, accompanied by copies of not more than three testimonials, must be received by the County Medical Officer of Health, Sessions House, Maidstone, not later than Tuesday, 7th September, 1937. No official form of application will be issued.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 23rd August, 1937.

## County Borough of Ipswich.

ASSISTANT MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

The Council invite applications for a whole-time Assistant Medical Officer of Health and School Medical Officer. Applicants may be of either sex, but must be fully qualified Medical Practitioners possessing a Diploma in Public Health and be under forty years of age.

The salary will be at the rate of £600 per annum rising, subject to satisfactory service, by annual increments of £25 to a maximum of £700.

The Council have adopted the Local Government and Other Officers' Superannuation Act, 1922, and the appointment will be a designated post thereunder, as from the 1st April next. The successful candidate will be required to pass a medical examination.

The duties will be principally those of a School Medical Officer, but the person appointed will also be required to work in other Departments at the discretion of the Medical Officer of Health.

The appointment is determinable by three months' notice from either side.

Forms of application may be obtained from the Medical Officer of Health, Public Health Department, Elm-street, Ipswich, and applications, with copies of not more than three recent testimonials, must be delivered to the undersigned not later than 30th September, 1937, in an envelope marked "Appointment of Assistant Medical Officer of Health, &c."

Canvassing, directly or indirectly, will be a disqualification.

A. MOFFAT, Town Clerk.

Town Hall, Ipswich, 24th August, 1937.

## Durham County Hospital.

(100 Beds.)

Male HOUSE SURGEON required. Duties to commence 1st October, 1937.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal for similar period.

Applications, stating age, experience, and nationality, accompanied by three recent testimonials, should be addressed to the undersigned immediately. NORMAN BROWN, Secretary.

23rd August, 1937.

## County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the appointment of House Surgeon at the Council's Municipal Hospital. The appointment will be for a period of six months with a salary at the rate of £150 per annum with the usual emoluments. If the successful candidate is reappointed for a further period of six months, the salary will be at the rate of £200 per annum. St. Chad's Hospital contains 145 Beds, and the cases treated include general medical, acute surgical, and maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Form of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications endorsed "House Surgeon" and accompanied by copies of three recent testimonials, must be delivered not later than first post on 11th September, 1937.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 24th August, 1937.

## University of Aberdeen.

CROMBIE-ROSS LECTURESHIP IN PSYCHO-PATHOLOGY.

The University Court will shortly proceed to the appointment of the first Cromble-Ross Lecturer in Psycho-Pathology.

The appointment is a part-time one.

The salary proposed is £650.

Persons who desire to be considered for the office are requested to lodge their names with the Secretary to the University by the 15th of September, 1937.

The conditions of appointment may be obtained from the undersigned.

H. J. BUTCHART, Secretary to the University of Aberdeen.

The University, Aberdeen.

## New Sussex Hospital for Women,

Windlesham-road, BRIGHTON.

(60 Beds.)

Applications are invited from Medical Women for the post of HONORARY SURGEON to the New Sussex Hospital.

The Senior Assistant Surgeon is an applicant for the post and in the event of her election an Assistant Surgeon will be required.

Candidates should possess the F.R.C.S. or equivalent qualification. Copies of three recent testimonials to be sent to the Secretary on or before September 18th.

P. F. SPOONER, Secretary.

Board Room, Windlesham-road, Brighton.

## Rotherham Hospital.—Wanted,

Senior HOUSE SURGEON (Male), qualified. Salary £200, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

## Rotherham Hospital.—House Surgeon

required for Ophthalmic and Ear, Nose, and Throat Departments. Previous experience not essential. Salary £150 per annum, with board and laundry.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

## Royal Devon and Exeter Hospital,

EXETER. (260 Beds.)

HOUSE SURGEON (Male).

Applications are invited for this post, which becomes vacant on October 1st.

The appointment is for six months, but candidates are eligible for re-election.

Salary at the rate of £150 per annum, with board, lodging, and washing.

Applications, giving particulars as to age and qualifications, together with copies of three recent testimonials, should be sent to the undersigned on or before Tuesday, 7th September.

20th August, 1937. S. S. COLE, Secretary and Manager.

## The University of Sheffield.

FACULTY OF MEDICINE.

The Council of the University and the Board of Management of the Royal Hospital, Sheffield, acting conjointly, are about to make an appointment to the post of ASSISTANT PATHOLOGIST to the Hospital and DEMONSTRATOR OF PATHOLOGY to the University. The salary offered is £500 per annum.

Applications, accompanied by the names of three referees, should be sent on or before September 18th to the undersigned from whom further details may be obtained.

W. M. GIBBONS, Registrar.

## Westmorland County Hospital,

KENDAL. (82 Beds.)

HOUSE SURGEON (Male or Female) required 1st October. Appointment is for six months, renewable for a further six months. Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, sex, nationality, and qualifications, with copies of three recent testimonials, to be addressed to the Hon. Sec., J. M. SOMERVELL, not later than 11th September.

# INDIAN MEDICAL SERVICE

## RECRUITMENT OF EUROPEAN OFFICERS

**Applications are invited from Medical Men for Permanent Commissions in His Majesty's Indian Medical Service. The terms offered include a gratuity of £1,000 on retirement after six years' service, or of £2,500 after 12 years' service, together with free return passages, for those who no longer desire to remain in the Service. In other respects the terms will be as detailed below.**

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

### CAREERS.

The Indian Medical Service offers a permanent career with wide opportunities of medical experience, including clinical, preventive, specialist, and research work. At the beginning of his career an officer is employed on the military side, which has medical charge of the Indian Army. Promotion is on a time scale up to the rank of Lieutenant-Colonel, and by selection to the ranks of Colonel and Major-General. An officer may apply after one year's Indian Service to have his name registered for transfer to the civil side, from which appointments are made to Civil Surgeoncies, which are established at the principal civil centres to provide for the medical needs of Civil Officials and for general medical administrative purposes; to specialist (for example, public health and bacteriological) services; to research posts; and to professorships at the Medical Schools.

### RATES OF PAY.

| Years of Service. | Rank. | Basic Pay. Rs. per mensem. | Overseas Pay. £ per month. | Total. £ per annum. |
|---|---|---|---|---|
| 1 | Lieutenant. | 450 | 15 | 585 |
| 2 | Captain. | 500 | 25 | 750 |
| 3 | " | 550 | 25 | 795 |
| 4 | " | 550 | 25 | 795 |
| 5 | " | 600 | 25 | 840 |
| 6 | " | 600 | 30 | 900 |
| 7 | " | 700 | 30 | 990 |
| 8 | " | 700 | 30 | 990 |
| 9 | " | 700 | 35 | 1050 |
| 10 | " | 700 | 35 | 1050 |
| 11 | Major. | 800 | 35 | 1140 |
| 12 | " | 800 | 40 | 1200 |
| 13 | " | 800 | 40 | 1200 |
| 14 | " | 800 | 40 | 1200 |
| 15 | " | 800 | 40 | 1200 |
| 16 | " | 950 | 40 | 1335 |
| 17 | " | 950 | 40 | 1335 |
| 18 | " | 950 | 40 | 1335 |
| 19 | " | 1100 | 40 | 1470 |
| 20 | " | 1100 | 40 | 1470 |
| 21 | Lieut.-Col. | 1350 | 40 | 1695 |
| 22 | " | 1350 | 40 | 1695 |
| 23 | " | 1350 | 40 | 1695 |
| 24 | " | 1500 | 40 | 1830 |
| 25 | " | 1500 | 40 | 1830 |

*Note.*—(1) The rupee is at present stabilised at a rate equivalent to 1*s.* 6*d.*

(2) An officer promoted to the rank of Lieut.-Colonel before completion of 20 years' service will receive pay at the rate of Rs. 1200 per mensem (basic) plus £40 per month overseas pay.

*Extras.*—In addition to the above rates various allowances are admissible for a large number of special appointments on both the military and the civil side which may be held by members of the Indian Medical Service. Special high rates of pay are also attached to the numerous administrative appointments open to officers in both branches of the Service.

### ANTEDATES IN COMMISSION.

Candidates possessing certain higher medical qualifications or holding the Diploma in Public Health may be granted an antedate in their commissions. Past service in certain hospital appointments may also render candidates eligible for an antedate. Persons holding or about to hold resident posts at recognised hospitals may be seconded in those posts for a period. The maximum period of antedate, secondment, or antedate and secondment combined, admissible under this paragraph, is limited to 18 months.

### OUTFIT ALLOWANCE.

Officers on appointment will receive an allowance of £75 towards the cost of outfit.

### PRIVATE PRACTICE.

With the exception of Administrative Officers, military or civil, and officers holding certain special appointments, officers are not debarred from taking private practice, so long as it does not interfere with their proper duties.

### LEAVE.

Leave can be taken at reasonable intervals, and adequate rates of leave pay are provided. Extra leave (known as study leave), which may not exceed 12 months in all during an officer's service, may be granted to officers desirous of pursuing special courses of study of a post-graduate nature. During such leave, study allowance, at present fixed at the rate of 12*s.* a day in the United Kingdom, £1 a day on the Continent of Europe, and £1 10*s.* a day in the United States of America and Canada is granted to an officer in addition to ordinary rates of leave pay.

### PENSIONS.

The rates of pensions are as follows:—

| | Per annum. £ | s. |
|---|---|---|
| After 17 years' service for pension .. .. | 372 | 0 |
| " 18 " " " .. .. | 400 | 0 |
| " 19 " " " .. .. | 428 | 0 |
| " 20 " " " .. .. | 465 | 0 |
| " 21 " " " .. .. | 502 | 0 |
| " 22 " " " .. .. | 539 | 10 |
| " 23 " " " .. .. | 576 | 10 |
| " 24 " " " .. .. | 614 | 0 |
| " 25 " " " .. .. | 651 | 0 |
| " 26 " " " .. .. | 697 | 10 |
| " 27 " " " .. .. | 744 | 0 |

There are additional pensions ranging from £65 to £350 per annum for officers who have held administrative appointments.

### PASSAGES.

An officer on appointment is provided with free passage to India. The families of officers who are married prior to the date of the officers' embarkation on first appointment will also be provided with free passage to India, subject to the payment of messing charges. Officers and their families are also eligible for passage concessions under which they are granted a certain number of return passages home at Government expense during their service.

### INSTRUCTION PRIOR TO EMBARKATION.

Officers are required to undergo courses of instruction at the Royal Army Medical College and at Aldershot, lasting approximately three months, prior to their embarkation for India on first appointment. Information as to the rates of pay admissible during this period and subsequently up to arrival in India is contained in the memorandum referred to below.

**A memorandum giving full details regarding these appointments and forms of application may be obtained from the UNDER-SECRETARY OF STATE FOR INDIA, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. The Selection Committee will meet at the India Office early in October next, and the selected candidates will be required to join a course of instruction commencing about 1st November, prior to sailing for India in February, 1938. Applications should reach the India Office as soon as possible and in no case later than 2nd October.**

INDIA OFFICE, September, 1937.

## County Borough of Blackburn
PUBLIC ASSISTANCE DEPARTMENT.

Applications are invited from Medical Practitioners (Male) for the appointment of a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER at Queen's Park Hospital and Institution.

The Staff consists of a Resident Medical Officer, a Resident Assistant Medical Officer, a Consulting Surgeon, a Laboratory Assistant and an X Ray attendant.

There is a separate Infirmary, a separate Mental Block, and a separate Sanatorium for Children, and there is opportunity for experience in all departments including Medical, Surgical, and Midwifery cases. An X Ray apparatus is installed.

The person appointed will be required to devote his whole time to the duties and also to act as may be directed by the Resident Medical Officer.

The appointment will be limited to a term not exceeding one year.

Salary for the first six months at the rate of £150 per annum, and thereafter at the rate of £200 per annum, together with board, apartments, and attendance.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials, must be sent so as to reach the Public Assistance Officer, Public Assistance Offices, Cardwell-place, Blackburn, not later than 10 A.M. on the 8th September, 1937.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, 20th August, 1937.

## Surrey County Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of two Assistant Medical Officers (either sex). Applicants must possess a qualification in Public Health, and have had experience in the Medical Inspection of School Children, in Maternity and Child Welfare, and in the examination and certification of mentally defective children. The officers appointed will be required to undertake such other Public Health duties as may be allocated to them. They will be on the staff of the County Medical Officer of Health, must reside in the County of Surrey, and devote their whole time to the work. Salary £600 per annum, rising by annual increments of £20 to £700 per annum. Travelling expenses in accordance with the Council's scale will be allowed.

The appointments will be subject to the approval of the Ministry of Health and of the Board of Education, to the successful candidates passing a medical examination, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staffing Regulations of the Council, which provide, inter alia, that appointments may be determined at any time by three months' notice.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be made on the prescribed form and sent to the County Medical Officer of Health, County Hall, Kingston-upon-Thames, from whom copies of the application form may be obtained, and to whom any inquiries relating to the appointment should be addressed.

Last day for receipt of applications Wednesday, September 8th, 1937.

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

County Hall, Kingston-upon-Thames,
August 21st, 1937.

## Worcestershire County Council.

ASSISTANT TUBERCULOSIS OFFICER (Male).

The above-mentioned Council are about to appoint a whole-time Assistant Tuberculosis Officer and applications are now invited for this post.

Applicants must be registered Medical Practitioners between the ages of twenty-five and forty-five years. Special experience and qualifications in Tuberculosis will be necessary, as work under the County Tuberculosis Scheme will form the chief part of the Officer's duties. He should have (1) at least three years' experience in the practice of his profession, (2) spent in general clinical work a period of not less than eighteen months, of which not less than six months have been spent in a hospital as resident officer in charge of beds occupied by general medical or surgical cases, and (3) received special training, for a period of not less than six months, in the diagnosis and treatment of Tuberculosis and in Artificial Pneumothorax Treatment. A Diploma in Public Health is desirable. The officer who is appointed will work under the supervision of the Chief Tuberculosis Officer.

The person appointed will be required to reside in the southern half of the County.

The salary will be £600, rising by £25 per annum to £700, with an allowance of £140 per annum for use of his own motor car. The engagement will be subject to three months' notice on either side. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and a medical examination will have to be passed by the successful candidate.

Applications (on forms to be obtained from the County Medical Officer, County Buildings, Worcester), accompanied by not more than three recent testimonials, must be received by 15th day of September, 1937, addressed to the County Medical Officer, County Buildings, Worcester.

Canvassing disqualifies, and neither the names of the member of the County Council nor of the Committee will be supplied.

(Signed) C. H. BIRD, Clerk of the County Council.

Shirehall, Worcester [J. 134], 21st August, 1937.

## Prince of Wales' Orthopædic
HOSPITAL, CARDIFF.

Applications are invited for the post of HOUSE SURGEON (Male, unmarried) at this Hospital (64 Beds) (having also a Country Branch at Crossways with 70 Beds). Salary £200 per annum, with board, quarters (at Cardiff), and laundry. The appointment is for six months in the first instance. Duties to commence on 1st October or as soon thereafter as possible.

Applications, with copies of testimonials, should be sent to the Secretary, Prince of Wales' Hospital, Cardiff, not later than September 13th, marked "House Surgeon."

## Royal Hospital, Richmond, Surrey.

Applications are invited for the following posts which fall vacant on the 1st October, 1937:—

RESIDENT MEDICAL OFFICER (Male), £200 per annum;
SENIOR HOUSE SURGEON (Male), £150 per annum;
JUNIOR HOUSE SURGEON (Male), £100 per annum;
with board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the Secretary-Superintendent.

## Derbyshire Royal Infirmary, Derby.
(General Hospital. 362 Beds.)
Recognised under F.R.C.S. Regulations.

Applications are invited (from single men) for the post of HOUSE PHYSICIAN.

Candidates must be qualified and registered under the Medical Acts.

Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned. Duties to commence 20th September, 1937.

ARTHUR TAYLOR, Superintendent and Secretary.

23rd August, 1937.

## Ancoats Hospital, Manchester.

ASSISTANT PATHOLOGIST, Lady or Gentleman, whole-time appointment—no private work allowed. Salary £300 to £350 per annum, according to experience—live out. Luncheon and tea provided. The appointment is for twelve months in the first instance.

Applications, stating age, experience, and full particulars, together with three recent testimonials, to be forwarded to the undersigned not later than the 8th September.

By Order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

## Ancoats Hospital, Manchester, 4.

(This Hospital is recognised by the Royal College of Surgeons for its Surgical Practice.)

HOUSE SURGEONS (General) required. To commence duty on 1st October. Two vacancies. Appointment for six months. Salary £100 per annum, with board, residence, laundry, &c.

Applications, stating age, qualifications, previous experience, and full particulars, to be forwarded to the undersigned on or before September 8th, together with copies of three recent testimonials.

By order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

## Cheshire County Council.

CLATTERBRIDGE (COUNTY) GENERAL HOSPITAL,
Near BIRKENHEAD.

MEDICAL SUPERINTENDENT.

Applications are invited from duly qualified Male Medical Practitioners, with experience in the administrative control of a public general hospital, for the post of Medical Superintendent of Clatterbridge (County) General Hospital, which Hospital has been appropriated under the Public Health Acts.

The salary will be £1000 per annum, plus emoluments valued at £150.

Candidates must not be more than forty-five years of age.

Applicants must hold one of the higher medical qualifications.

The Medical Superintendent will be required to reside within easy reach of the Hospital. He will be an Assistant Medical Officer on the Staff of the County Medical Officer of Health, and will be responsible to the County Medical Officer of Health, and through him to the Management Committee, for the control of the Hospital, and for the supervision of the work of the medical, surgical, nursing, and other personnel.

The Hospital, which has accommodation for 291 patients and is to be enlarged to accommodate 400, provides treatment for medical, surgical, and maternity cases, and has a staff of 1 deputy medical superintendent, 2 resident assistant medical officers, and 10 visiting specialists, with a nursing staff of 78.

The appointment will be made subject to the Local Government and Other Officers' Superannuation Act, 1922, and is determinable by three calendar months' notice on either side.

Canvassing, directly or indirectly, will disqualify the applicant.

Form of application and further particulars relating to this appointment can be obtained from the undersigned, and must be returned to him not later than the 15th September, 1937.

IAN MACKAY, County Medical Officer of Health.

Public Health Department, 24, Nicholas-street, Chester.

# ROYAL ARMY MEDICAL CORPS

Applications are invited from Medical Men for appointment to commissions in the Royal Army Medical Corps.

Candidates will for the present be selected for commissions without competitive examination, and will be required to present themselves in London for interview and physical examination on or about 21st October, 1937. They must be registered under the Medical Acts and normally must not be over the age of 28 years.

Successful candidates will in the first instance be given short service commissions for five years. During the 4th year of this period they will be given the opportunity of applying for permanent commissions in either the Royal Army Medical Corps or the Indian Medical Service. Those not selected will retire on completion of 5 years' service with a gratuity of £1000.

Candidates who are successful will, unless they are seconded to complete a hospital appointment, assemble at the Royal Army Medical College, London, on 1st November, 1937.

Particulars of the Conditions of Service in the Royal Army Medical Corps, pay and allowances, and forms of application, may be obtained on application, either in writing or personally, to the Assistant Director-General, Army Medical Services, The War Office, London, S.W.1.

## Northampton General Hospital.

(293 Beds.)

There will be vacancies on October 1st for the following eight appointments:—

SENIOR RESIDENT MEDICAL OFFICER. The appointment will be in the first instance for a period of twelve months at a salary of £250 per annum. The successful candidate will be expected to combine certain supervisory duties with the clinical work of one of the posts advertised below, and applicants should state which of these posts is desired. Candidates must have held a responsible resident post but administrative capacity is more important than outstanding clinical ability.

(1) HOUSE PHYSICIAN.

(2, 3, and 4) HOUSE SURGEONS (three appointments).

(5) HOUSE SURGEON to the Maternity and Gynæcological Department.

(6) HOUSE SURGEON to the Ear, Nose, and Throat Department.

(7 and 8) CASUALTY OFFICERS. First and Second.

Salaries (with the exception of the Senior Resident Medical Officer) will be at the rate of £150 per annum, with board, residence, and laundry. Candidates, who must be duly qualified and registered, must be Males and of British nationality.

The successful candidates (with the exception of the Senior Resident Medical Officer) will be elected for a period of six months and will be eligible for re-election for a further period of six months.

Applications, stating age, qualifications, &c., with copies of three testimonials, must reach the undersigned not later than the first post on Wednesday, 8th September, 1937.

S. C. W. DISNEY, Secretary-Superintendent.

23rd August, 1937.

## The Otago Hospital Board.

UNIVERSITY OF OTAGO AND DUNEDIN HOSPITAL, NEW ZEALAND.

Applications are invited for the position of RESIDENT MEDICAL OFFICER (Senior).

Candidates must hold a degree in Medicine of a British University, must have been qualified for three years and have held resident hospital appointments for at least one year. Preference given to unmarried applicants.

The successful applicant will be required to act as Medical Tutor under the direction of the Professor of Medicine and as Superintending House Physician and Medical Registrar.

Salary to be at the rate of £500 per annum, with board and residence.

Full details may be obtained on application to the office of this newspaper.

JOHN JACOBS, Secretary, Otago Hospital Board,
15th July, 1937. Dunedin, New Zealand.

## The Royal Eastern Counties

INSTITUTION FOR THE MENTALLY DEFECTIVE, COLCHESTER.

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above post from unmarried Male Medical Practitioners not over thirty-six years of age. Total beds over 1700.

The medical man appointed will be stationed at the new Extension, Turner Village, and will be required gradually to assume responsibility for administrative work connected with that extension, which has at present over 400 beds. For that reason the commencing salary has been fixed at £400 per annum, together with furnished apartments, board, laundry, and attendance. No deductions. Previous specialisation in Mental Deficiency is not essential.

A Research Department, with a Medical Director and other Staff, working under the Medical Research Council and the Rockefeller Foundation, is attached to the Institution. New Laboratories, costing nearly £5000, will be ready for occupation in October and there is every facility for research work.

Apply before the 8th September, giving age, nationality, full details of qualifications, and copies of testimonials, to the Medical Superintendent, Royal Institution, Colchester.

## Hertfordshire County Council.

PUBLIC ASSISTANCE.

COUNTY INSTITUTION, OSTER HOUSE, ST. ALBANS.

HOUSE SURGEON.

Applications are invited for the post of HOUSE SURGEON (either sex) at the above Institution, which comprises general medical and surgical wards with separate Maternity and Children's Units.

Salary will be at the rate of £175 per annum, with an allowance of £3 3s. per week until such time as board and residence can be provided in the Institution. The appointment will be limited to one year and not renewable.

The House Surgeon must, until quarters in the Institution are provided, reside near the Institution at an address to be approved by the Guardians' Committee.

Candidates must be duly qualified and registered.

Applications, stating age, qualifications, and experience, with copies of not more than three recent testimonials, should be sent to the Clerk of the St. Albans Guardians' Committee, Oster House, St. Albans (from whom any further details may be obtained), as soon as possible.

ELTON LONGMORE, Clerk of the County Council.

Hertford, Herts, 28th August, 1937.

## Salford Royal Hospital.
(263 Beds.)

Applications are invited from duly registered candidates (Male) for:—
HOUSE PHYSICIAN,
HOUSE SURGEONS (Two),
CASUALTY HOUSE SURGEON,
for six months from 1st October. Salary £125 per annum.
Forms of application, obtainable from the undersigned, should be delivered on or before 7th September next.
By order of the Board.
H. B. SHELSWELL,
General Superintendent and Secretary.
27th August, 1937.

## The Prince of Wales's Hospital,
Greenbank-road, PLYMOUTH.
(Formerly South Devon and East Cornwall Hospital.)
(264 Beds.)

Applications are invited for the post of HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.
Appointment is tenable for six months and is subject to renewal. Duties to commence 22nd September.
The Hospital is officially recognised for the Surgical Practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.
Applicants must be registered under the Medical Acts.
Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned by 10th September. ARTHUR R. CASH, Gen. Supt. and Secretary.

## Walsall General Hospital.

The Committee invite applications from Men or Women for the post of HOUSE SURGEON. Must have had previous experience in the administration of anæsthetics. Candidates, who must be registered under the Medical Acts, must produce three recent testimonials. The appointment will be for six months. Salary at the rate of £150 per annum. The Hospital contains 14[illegible] beds and is equipped in all special departments.
Applications to be sent at once to the undersigned.
WALTER FRANCOMBE, House Governor.
19th August, 1937.

## Royal Isle of Wight County Hospital,
RYDE.

A vacancy having occurred in the office of HONORARY SURGEON to the Ear, Nose, and Throat Department, the Election Committee of the Governors will proceed to fill the appointment. Candidates must not be engaged in general practice.
Further details may be obtained from the Secretary, to whom applications must be addressed, and should be received not later than September 11th, 1937.
Canvassing members of the Election Committee will be a disqualification. A. S. GORDON, Secretary.

## Victoria Hospital, Burnley.
(150 Beds.)

HOUSE SURGEON (Male).
Applications are invited for the above post, which will become vacant on the 30th September next. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period, reappointment may be applied for, and, if confirmed, the salary for the second six months will be at the rate of £200 per annum.
Applications, with full details of qualifications and experience and stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.
J. E. WHEATCROFT, Secretary.

## Royal South Hants and Southampton
HOSPITAL. (280 Beds.)

Applications are invited for the post of RESIDENT ANÆSTHETIST AND HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT. Commencing immediately until December 31st, 1937, at a salary of £150 per annum, with board, lodging, and laundry. Candidates must be Male and unmarried.
Applications, accompanied by not more than three recent testimonials, should be sent to the undersigned at once.
HY. TRUSSON, House Governor and Secretary.

## York Dispensary.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Female), to commence duties as soon as possible.
The Resident Staff consists of Two Medical Officers, whose duties are to visit and attend the sick poor in their own homes, and to assist the honorary staff.
Candidates must be duly qualified, registered, and unmarried. Some experience of the administration of anæsthetics is essential. Salary £175 per annum, with board, lodging, and attendance, and allowance for laundry.
Applications, with testimonials, to be sent on or before September 11th to— JOHN C. PETERS, Secretary.
4, New-street, York.

## Buxton Clinic for Rheumatism and
ALLIED DISEASES.

Applications are invited for the appointment of HOUSE PHYSICIAN. Candidates must be fully qualified and registered, and must have had previous hospital experience. The appointment is for six months, but is renewable. Applications, accompanied by three recent testimonials, should be in the Secretary's hands not later than the 18th September.
The appointment is to start about October 1st, 1937.
The Clinic has full facilities for physical and hydrological treatment, and has its own radiological department. Investigatory work in Biochemistry, Pathology, and Bacteriology is carried on in conjunction with the Devonshire Royal Hospital.
Salary £150–£200 per annum, with board, residence, and laundry.
H. S. NEEDHAM, Secretary,
The Buxton Clinic, Ltd., Buxton, Derbyshire.

## St. Mary's Hospitals, Manchester.

Two HOUSE SURGEONS for the WHITWORTH ST. WEST HOSPITAL (Maternity), and one for the WHITWORTH PARK HOSPITAL (Gynæcological Department), each for a period of six months from the 1st November next. Salaries at the rate of £50 per annum, with board and residence.
Applications, with copies of three testimonials, to be sent to the undersigned on or before the 16th instant.
R. RATCLIFFE, Secretary.

## City of Birmingham.
PUBLIC ASSISTANCE COMMITTEE.

ERDINGTON HOUSE.

ASSISTANT RESIDENT MEDICAL OFFICER.
The Public Assistance Committee invite applications from fully qualified Medical Practitioners for appointment as Assistant Resident Medical Officer at Erdington House.
The Institution, which is approved for the purposes of the D.P.M., has accommodation for upwards of 1800 inmates, and is set apart for the reception of all classes of mental and nervous disorder. The admission rate is 1500 per annum. Parts of the Institution are certified under the provisions of the Mental Deficiency Acts, 1913–1927. There are facilities for research on the pathological and biological side, and the appointment gives opportunities for post-graduate study.
The Officer appointed will be required to assist in the general medical work of the Institution under the supervision of the Senior Medical Officers.
Four weeks' leave of absence will be granted to the successful candidate during the term of office.
The appointment will be for a period of twelve months and the salary attached to the appointment will be at the rate of £300 per annum, together with full residential emoluments (rations, apartments, laundry, and attendance).
The appointment will be subject to one month's notice on either side.
Any further particulars as to the Institution and/or duties may be obtained upon application to the Medical Officer of the Institution, Dr. H. T. Kirkland, to whom applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, should be forwarded so as to reach him not later than 10 A.M. on Thursday, September 16th, 1937.
Canvassing in any form, oral or written, direct or indirect, will be regarded as a disqualification.
F. H. C. WILTSHIRE, Town Clerk, Council House,
26th August, 1937. Birmingham, 1.

## City of Birmingham.
PUBLIC HEALTH DEPARTMENT—TUBERCULOSIS SECTION.

APPOINTMENT OF RESIDENT ASSISTANT MEDICAL OFFICER.
Applications are invited from single registered Male Medical Practitioners for the post of Assistant Resident Medical Officer in the Tuberculosis Section of the Public Health Department. The successful candidate will be employed both in a Sanatorium and in a Dispensary.
Candidates should have held a resident General Hospital appointment and an appointment in some Institution set apart for the treatment of those suffering from tuberculosis. Experience in the diagnosis and treatment of non-pulmonary forms of tuberculosis is desirable.
The commencing salary will be at the rate of £400 per annum, rising by £25 to £450 per annum, with emoluments valued at £150 per annum.
The officer appointed will be required to refund to the Council all fees, allowances, and emoluments (other than the foregoing) received by him.
The appointment will be subject to the Birmingham Corporation Superannuation Scheme, to the candidate passing a medical examination, to the Birmingham Municipal Officers' Widows' and Orphans' Pensions Scheme (if applicable), and to one month's notice on either side.
Forms of application and a summary of duties may be obtained from and should be returned with three recent testimonials to the Chief Clinical Tuberculosis Officer, 151, Great Charles-street, Birmingham, 3, not later than the 16th September, 1937.
F. H. C. WILTSHIRE, Town Clerk.
Council House, Birmingham, 1.

## Hove General Hospital, Hove.
(50 Beds.)

Applications are invited for the appointment of JUNIOR RESIDENT MEDICAL OFFICER (Male). Salary £120 per annum, with board, apartments, and laundry.

The successful candidate will be eligible to apply for the Senior post when the latter becomes vacant.

Applications, stating age, qualifications, and experience, together with three recent testimonials, to be forwarded to the undersigned immediately.

KENNETH C. BOOKER, Secretary-Superintendent.

## Argyll and Bute District Mental
HOSPITAL, LOCHGILPHEAD.

Applications are invited for the post of RESIDENT ASSISTANT MEDICAL OFFICER (Male). Commencing salary £300 to £350 per annum, according to previous experience and special qualifications. An additional £50 per annum will be paid if in possession of the D.P.M. Furnished apartments will be provided, with board and laundry.

The appointment will be subject to the provisions of the Asylum Officers' Superannuation Act, 1909.

Applications, stating age and experience, accompanied by seven copies of testimonials, to be addressed to the Clerk to the Joint Board of Management, County Offices, Lochgilphead, not later than 11th September, 1937.

## The Royal Infirmary, Sheffield.
(500 Beds.)

The Board of Management invite applications for the post of SENIOR CASUALTY OFFICER.

The salary attached to the post is £150 per annum, with board and residence. The appointment will be tenable for the residue of the period of six months from 1st July, 1937.

This post is next in seniority to that of Resident Surgical Officer.

Applications, with copies of testimonials, to be sent to the General Superintendent and Secretary.

20th August, 1937.

## The Chester Royal Infirmary.
(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male), to take up duty 1st October, 1937.

Salary £150 per annum, with board, lodging, and laundry.

The appointment is approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations.

Application list closes 15th September, 1937.

Application forms may be obtained from—

W. H. GRACE, M.D., M.R.C.P., Hon. Sec. Medical Committee.

## Herefordshire General Hospital,
HEREFORD. (150 Beds.)

Immediate applications are invited for the post of HOUSE SURGEON (Male) in charge of Casualty and Ear, Nose, and Throat Departments.

Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, should be sent to the undersigned. T. W. UPTON, Secretary.

## Taunton and Somerset Hospital,
TAUNTON.

Two HONORARY ASSISTANT SURGEONS (resident sufficiently near the Hospital to enable them to discharge their duties) will be elected by the Committee on October 4th.

Applications (endorsed "Assistant Surgeon") to be sent on or before the 25th inst. to F. J. J. STACEY, Secretary.

Personal canvassing will disqualify.

Dated 4th September, 1937.

## City and County of Newcastle-upon-
TYNE.

NEWCASTLE GENERAL HOSPITAL. (800 Beds.)

ONE SURGICAL REGISTRAR (Part Time).

Applications are invited from duly qualified and registered Medical Practitioners for the above post. The salary in respect of the appointment is £250 per annum.

Further particulars may be obtained from the Medical Officer of Health, Health Department, Town Hall, Newcastle-upon-Tyne, 1, to whom applications, accompanied by not more than three recent testimonials, should be delivered on or before 18th September, 1937.

27th August, 1937.

## The Royal Liverpool Children's
HOSPITAL.

There will be vacancies on October 1st next for One RESIDENT MEDICAL OFFICER and One RESIDENT SURGICAL OFFICER at the Heswall Branch of the Institution (240 beds). The appointments will be for a period of six months. Salary in each case at the rate of £120 per annum.

Applications, with copies of recent testimonials, to be sent to the Secretary, Royal Liverpool Children's Hospital, Myrtle-street, Liverpool, 7, on or before Saturday, 11th September, 1937.

## The Royal Cripples Hospital,
BIRMINGHAM.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male) vacant 1st September, 1937. Salary £200 per annum. The appointment, which is for a period of six months, is renewable on the discretion of the Medical Board, and is terminable by one month's notice on either side.

Candidates must be unmarried, and preference will be given to those with previous experience in General and Orthopædic Hospitals.

Applications, with copies of three recent testimonials, to be sent not later than September 14th to the General Secretary, Royal Cripples Hospital, 80, Broad-street, Birmingham, 15.

## New Kent and Canterbury Hospital,
CANTERBURY.
(181 Beds. Four Resident Medical Officers.)

Applications are invited for the post of HOUSE SURGEON (Male) to the Special Departments, Ear, Nose, and Throat, Ophthalmic, and Genito-Urinary.

Appointment is for six months, and duties will commence as soon as possible after 6th September.

Salary £125 per annum, with board, residence, and laundry.

Applications, together with copies of recent testimonials, should be forwarded immediately to the undersigned.

S. I. WARD, Secretary.

## Princess Elizabeth Orthopædic
HOSPITAL, EXETER.

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months commencing 1st October, with the option of extension for a period not exceeding a further six months.

Applications, stating age and experience with copies of three recent testimonials, to be sent to :—

P. MELHUISH, Secretary.

## Pembroke County War Memorial
HOSPITAL
HAVERFORDWEST, PEMBROKESHIRE.
(64 Beds to be increased to 100 Beds.)

RESIDENT HOUSE SURGEON.

Applications are invited for the post of Resident House Surgeon (Male, unmarried), from duly qualified registered Medical Practitioners, with previous resident experience, to commence on 1st October, 1937. Salary £200 per annum, with residence (private bungalow), board, and laundry.

Applications, stating age and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned at the above address not later than first post Monday, 13th September, 1937.

F. W. BARNETT, House Governor and Secretary.

## Gravesend and North Kent Hospital,
GRAVESEND, KENT. (120 Beds.)

JUNIOR HOUSE SURGEON AND CASUALTY HOUSE SURGEON.

The Committee of Management invite applications from fully qualified men for the above posts. Salary at the rate of £120 and £130 respectively, plus board, lodging, washing, and certain fees as perquisites.

The Junior House Surgeon is required to commence duties at once, also the Casualty House Surgeon.

Applications, with one copy of three recent testimonials, to be sent to the undersigned immediately.

C. E. CHAPMAN, Secretary.

## Warrington Infirmary and Dispensary.

The post of THIRD RESIDENT will fall vacant on 1st October, 1937, and applications are invited from Male candidates who must be duly qualified Medical Practitioners and unmarried. Salary at the rate of £150 per annum, with board, lodging, and laundry.

At the expiration of six months' term of office and subject to the recommendation of the Medical Board the Third Resident is appointed Second Resident (salary £175 per annum) and then Senior Resident (salary £250 per annum) for similar periods. Candidates should therefore be prepared, if successful, to remain at the Hospital for eighteen months in all.

Applications, stating age and qualifications, accompanied by copies of three recent testimonials should be sent in not later than first post on Tuesday, 14th September.

Chosen candidates will be interviewed on Friday, 17th September.

By Order, HENRY L. BOOT, Superintendent and Secretary.

1st September, 1937.

## Manchester Ear Hospital,
Grosvenor-square, All Saints'.

**The Board invite applications for the post of RESIDENT HOUSE SURGEON. (31 Beds.) Salary £120 per annum. Candidates must be duly qualified and registered.**

**Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Sec., Manchester Ear Hospital), c/o Mr. W. J. ELLAM, 17, Brazennose-street, Manchester, 2.**

## Kent and Sussex Hospital,
TUNBRIDGE WELLS
(210 Beds.)

EAR, NOSE, AND THROAT DEPARTMENT.

Applications are invited for the appointment of HOUSE SURGEON (Male) to the above Department. Duties to commence 6th September. Previous experience desirable, but not essential. Duties to include those of Resident Anæsthetist. Salary £150 per annum, board, residence, and laundry in the Hospital.

Applications, stating qualifications, together with certificate of registration and copies of not more than three recent testimonials, should be sent to the undersigned as soon as possible.

TOM B. HARRISON, Superintendent-Secretary.

## Great Yarmouth General Hospital.
(72 Beds.)

Applications are invited for the post of HOUSE SURGEON (one of two appointments). Duties to commence immediately.

Applicant must be Male and unmarried.

Salary at the rate of £140 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned. FREDK. L. GATFIELD, Secretary.

## Royal Berkshire Hospital, Reading.

The following resident appointment will become vacant on October 1st, 1937:—

RESIDENT MEDICAL OFFICER (Male) at the BLAGRAVE BRANCH HOSPITAL and Assistant to Pathologist (combined appointment). To reside at and have charge of 64 beds at Branch Hospital and to work as Assistant in the Pathological Department of the main Hospital. (Previous experience in Pathology not essential.)

The appointment is for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned on or before Saturday, September 11th, 1937.

H. E. RYAN, Secretary and House Governor.

## The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE PHYSICIAN required for mid-September.

The Hospital contains 300 Beds, the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months, with a salary at the rate of £125 per annum, board, furnished rooms, and laundry provided.

Applications, with copies of testimonials, to the undersigned.

W. H. HARPER, House Governor.

Wolverhampton, 16th August, 1937.

## King George's Sanatorium for
SAILORS, LIPHOOK, HANTS (Seamen's Hospital Society) for the Treatment of Pulmonary and Non-Pulmonary Tuberculosis.—ASSISTANT MEDICAL OFFICER (single, male or female) required as from the 15th October for six months. Salary at the rate of £200 per annum in the first instance.

Applications, with copies of not less than three testimonials, to be sent in on or before the 24th September to undersigned.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10.

Greenwich, 27th August, 1937.

## Southend-on-Sea General Hospital.
235 Beds. 7 Residents.
Hon. Specialist Staff of 19 Members.

Applications are invited for the post of—
HOUSE PHYSICIAN.

Duties to commence on 1st October, 1937. The appointment is for six months, salary at the rate of £100 per annum, with board, &c., provided. Candidates must be registered (Male) Practitioners.

Applications, together with copies of two recent testimonials, should be sent to the undersigned not later than 16th September.

P. H. CONSTABLE, Secretary.

## Wrexham and East Denbighshire
WAR MEMORIAL HOSPITAL.
(124 Beds.)

RESIDENT HOUSE SURGEON, Male or Female, required for Special Departments (Aural, Ophthalmic, and Casualty), to commence duty on October 1st. Appointment is for six months. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent to the undersigned, together with copies of three recent testimonials, immediately.

August 30th, 1937. LESLIE SPENCER, Secretary.

## Bradford Children's Hospital.

HOUSE PHYSICIAN (Lady) required October 1st. Fully qualified. Salary £150, with board, residence, and laundry.

Applications, with recent testimonials and stating age, not later than September 15th, to:

J. W. LONGLEY, Secretary-Superintendent.

## County Borough of Middlesbrough.

HEALTH DEPARTMENT.

HOLGATE MUNICIPAL HOSPITAL.

Applications are invited from registered Male Medical Practitioners (unmarried) for the post of ASSISTANT RESIDENT MEDICAL OFFICER at the Holgate Municipal Hospital, at a salary of £270 per annum, together with board, residence, and laundry.

The appointment will be for one year. In addition to hospital duties, the successful candidate will be required to undertake relief or holiday duty work of other whole-time members of the Corporation's medical staff as required.

The Municipal Hospital contains 329 beds and is a training school for nurses and affords excellent facilities for post-graduate work and experience.

Application, stating age and experience, together with copies of three testimonials, to be sent to the Medical Officer of Health, Municipal Buildings, Middlesbrough, not later than 15th September, 1937.

PRESTON KITCHEN, Town Clerk.

Municipal Buildings, Middlesbrough,
August 30th, 1937.

## North Staffordshire Royal Infirmary,
STOKE-ON-TRENT.
(390 Beds.)

HOUSE SURGEON (CASUALTY).

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The appointment will be made for six months, renewable.

Eligible for the other resident posts as vacancies arise.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By order.

W. STEVENSON, Secretary and House Governor.

30th August, 1937.

## North Staffordshire Royal Infirmary,
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Salary at the rate of £150 per annum, with board, residence, and laundry.

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Previous hospital surgical experience essential, and orthopædic experience desirable.

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By order.

W. STEVENSON, Secretary and House Governor.

30th August, 1937.

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HOUSE SURGEON (GENERAL).

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Salary at the rate of £150 per annum, with board, residence, and laundry.

The appointment will be made for six months, renewable.

Previous hospital surgical experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By order.

W. STEVENSON, Secretary and House Governor.

30th August, 1937.

## Swansea General and Eye Hospital.

Applications are invited for the post of LOCUM HOUSE SURGEON to the E.N.T. and Ophthalmic Departments for a period of six to eight weeks commencing 14th September. Salary £5 5s. per week, with board, residence, and laundry.

Applications, stating age, qualifications, experience, and nationality, to be forwarded to the Secretary-Superintendent.

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(386 Beds.)

A HOUSE PHYSICIAN (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned. Duties to commence on or about October 24th.

PETER M. MACCOLL, House Governor and Secretary.

## Royal Surrey County Hospital,
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(216 Beds.)

Wanted 1st October, 1937, HOUSE SURGEON (Male). Six months' appointment; recognised for F.R.C.S. Duties, General Surgery and Ophthalmic. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than 13th September, 1937.

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Applications are invited from duly registered Medical Practitioners for the posts of ASSISTANT RESIDENT MEDICAL OFFICER (Male, single—one year appointment) at the following institutions:—

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Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, September 15th, 1937.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff,
August 30th, 1937.

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ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 28th August, 1937.

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Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded as soon as possible to Mr. JOHN GIBSON, Superintendent and Secretary, Royal Infirmary, Preston.

26th August, 1937.

## County Borough of Merthyr Tydfil.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from Medical Women (unmarried or widowed), under the age of forty, for the above post. The person appointed must be a registered Medical Practitioner, and registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health, or State Medicine. Preference will be given to a candidate who:

(1) Has had at least three years' experience in the practice of her profession;

(2) Has held the appointment of Resident Medical Officer in a Maternity Department for a period of not less than six months;

(3) Has had not less than one year's continuous experience in some branch of obstetric work.

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The commencing salary will be at the rate of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum.

Applications, together with copies of three recent testimonials, must reach the undersigned on or before the 16th of September, 1937.

T. H. STEPHENS,
Medical Officer of Health, Town Hall, Merthyr Tydfil.

30th August, 1937.

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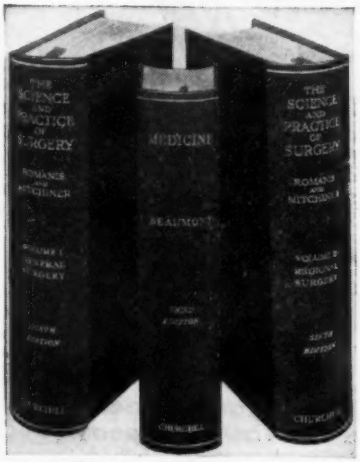

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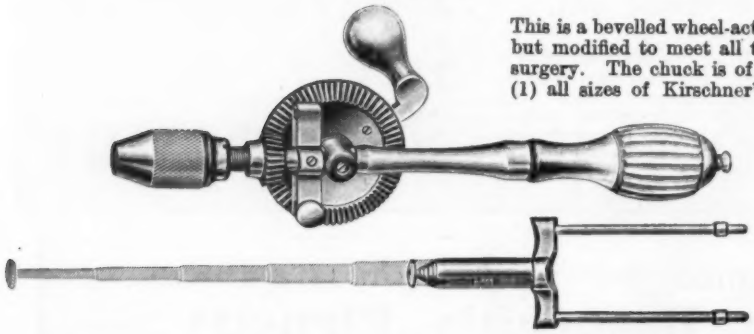

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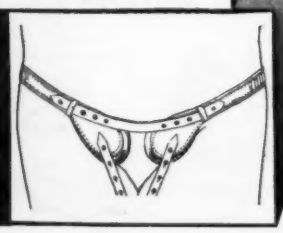

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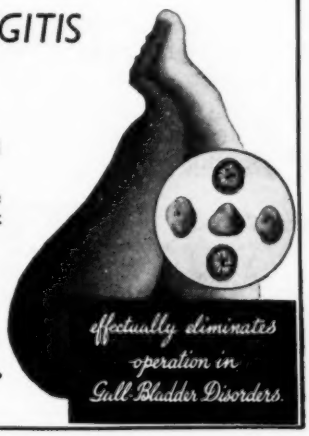


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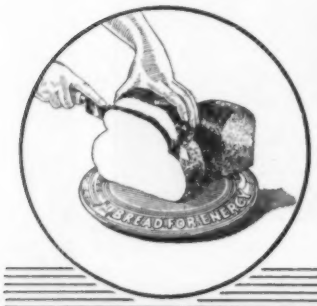


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THE PROPHYLAXIS OF AUTUMN AND WINTER INFECTIONS

## *A Capsule a day from now until May*

The resistance of the normal population to epidemics and infections usually begins to weaken at this time of year, when the prophylactic influence of summer sunshine is no longer available.
In these circumstances, it is necessary to take all proper precautions, and the Adexolin concentrates of vitamins A and D are recommended to build up a nutritional barrier to disease.
The usual routine—one Adexolin Capsule a day throughout the cold season—may reasonably be commenced at once.

# ADEXOLIN

## *Standardised & Convenient*

*CAPSULES—Each 3m. capsule contains 6,000 international units of vitamin A and 1,000 units of D. In boxes of 25, 2/6; 100, 7/6; 500, 30/6; 1,000, 56/-. Less usual professional discount. LIQUID—Each cc. contains 12,000 international units of vitamin A and 2,000 units of D. In ½ oz. phials, 2/6; 2-oz. bottles, 7/6: 4-oz., 12/6; 8-oz., 22/6.*

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

GL. 271

## SULPHONAMIDE-P B.D.H.

(*P*-aminobenzene sulphonamide)

*For oral administration in hæmolytic streptococcal and other bactericidal infections*

The efficacy of Sulphonamide-P B.D.H. in the treatment of puerperal septicæmia has been fully demonstrated and its value in other infections of hæmolytic streptococci is generally recognised.

Investigations indicate, further, that Sulphonamide-P B.D.H. may prove effective in infections due to other bacteria as, for example, meningococci and staphylococci.

Sulphonamide-P B.D.H. is issued for oral administration in tablets each containing 0.5 gramme of the pure substance, *p*-aminobenzene sulphonamide.

*Literature on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Sul-P/S/3

Whenever liver is indicated give

# Hepferol

BRAND

Active Liver Principles with Iron in Palatable Granule form

4 & 8 oz. Boxes

In cases of pernicious anæmia and in all anæmic conditions which do not respond sufficiently to iron therapy alone HEPFEROL is especially indicated. Prepared from a standardised dry extract of liver with added iron. Readily assimilated by the organism. Constancy guaranteed.

*Samples gladly sent on request to sole agents:*

COATES & COOPER LTD
94 CLERKENWELL ROAD
LONDON, E.C.1

When iron is indicated prescribe

# IDOZAN

BRAND

5% of Fe Colloidal Iron Solution

8, 40 & 80 oz. Bottles

IDOZAN meets the fundamental requirements of an effective iron therapy. It establishes a strong positive iron balance, it is easily absorbed from the intestinal canal, providing a ready and abundant storing of surplus iron. IDOZAN is non-constipating, non-irritating and does not discolour the teeth.

A PRODUCT OF DISTINCTION

# ETHER SOLUBLE TAR PASTE

INDICATED IN

**ECZEMAS, PRURITUS, PSORIASIS, etc.**

PRESCRIBE AS

**"E.S.T.P."** (Martindale)

*Issued in 2, 4, and 8-oz. pots*

*Literature and clinical samples on request*

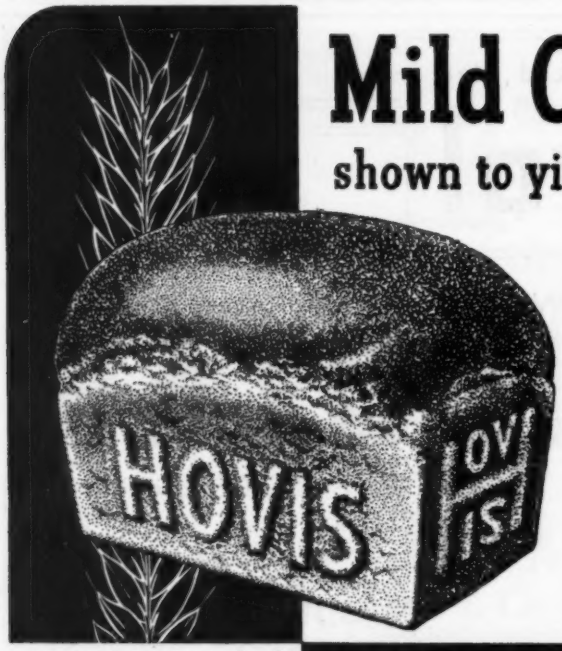
W. MARTINDALE
75, NEW CAVENDISH STREET
LONDON, W.1

# Mild Constipation

## shown to yield to laxative effect of

# HOVIS

TRADE MARK




Many of the mild forms of constipation so prevalent to-day are attributed to foods deficient in Vitamin 'B.' In comparing the effects of various kinds of bread it is seen that HOVIS is superior to either white bread or wholemeal in supplying this deficiency. Whilst white bread contains practically no Vitamin 'B,' HOVIS, with its added 25% wheat-germ supplies an abundance of this essential food-element. Unlike wholemeal bread, HOVIS contains only a minute percentage of bran and indigestible cellulose. In other words its incorporation in the normal diet ensures not only a higher standard of nutrition but easier assimilation and regular evacuation of the intestinal contents.

H 203

VITAMIN 'B' CONTENT AS AID TO REGULAR ACTION

HOVIS LTD., MACCLESFIELD

# Where thirst and irritation of the stomach and kidneys must be avoided . . .

**BRAND'S Essence cannot cause thirst or in any way irritate the stomach or kidneys . . . it contains no added salts or seasoning and is a basically pure essence. Thus, the advantages of Brand's as a stimulant, protein-sparer, and adsorbent of excess free acid, can be fully applied in many circumstances that prohibit the use of some preparations.**

# BRAND'S CHICKEN OR BEEF ESSENCE

*is never contra-indicated*

**BRAND & CO. LTD., SOUTH LAMBETH ROAD, LONDON, S.W.8**

# "ALOCOL"

## Colloidal Hydroxide of Aluminium

## Effective in Nervous Dyspepsia

WHATEVER be the fundamental cause of nervous dyspepsia, it is acknowledged that alleviation of the gastric symptoms is an important part of effective treatment.

Nervous dyspepsia connotes hypersecretion. This causes flatulence, sour stomach, discomfort and perhaps pain. "Alocol" is the ideal gastric sedative since its action is prompt and lasting and entirely free from harmful effects.

"Alocol" acts by adsorbing excess of free hydrochloric acid in the stomach, forming a colloidal jelly which passes through into the intestines and is finally evacuated. "Alocol," therefore, actually removes from the system the causative radicle (Cl) instead of merely temporarily neutralizing it. "Alocol" does not interfere with normal digestion, nor does it determine any unpleasant secondary reactions. It is issued in tablet and powder form.

*Indian Saraswati playing the Vina. (12th Century.)*

*Complete chemical history of "Alocol," with convincing clinical reports and supply for trial, sent free to physicians on request.*

A. WANDER LTD., Manufacturing Chemists.
184, Queen's Gate, London, S.W.7.
*Works and Laboratories:*
*KING'S LANGLEY, HERTFORDSHIRE*

M283

# For Effective Control of Pain

AMONG the many and diverse analgesics which have been evolved by modern chemical research, acetyl-salicylic acid retains its reputation as one of the safest and most effective. Its tendency to liberate salicylic acid—the irritant properties of which are well known to physicians—has, however, caused many to hesitate to employ it as widely as it deserves. Exhaustive trial in hospital and private practice proves that "Alasil" definitely solves the problem of administering acetyl-salicylic acid in an effective form, being free from the risk of irritating the stomach or bowels or of causing general reactions.

In "Alasil" the desirable therapeutic effects of acetyl-salicylic acid are well exhibited by its calcium acetyl-salicylate moiety, while the presence of "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid obviates any tendency to gastric irritation. The superior absorbability of "Alasil" over ordinary salicylate compounds and its freedom from the risk of liberating free salicylic acid in the stomach have been well proved by careful experimentation. "Alasil" can be prescribed with perfect safety to patients of all ages and in larger doses than ordinary salicylate compounds.

*A supply for clinical trial with full descriptive literature sent free on request.*

A. WANDER, LTD., Manufacturing Chemists,
184, Queen's Gate, London, S.W.7
*Laboratories and Works:* KING'S LANGLEY, HERTS.

# ALASIL

M268

# HYPEREMESIS GRAVIDARUM

FOR THE TREATMENT OF THIS DISTRESSING CONDITION 'GLANOID' SUPRARENAL CORTEX MEDICATION HAS BEEN SHEWN TO BE EFFECTIVE AND RELIABLE. REPORTS IN RECENT MEDICAL JOURNALS DRAW ATTENTION TO THE IMPORTANCE OF THIS THERAPY.

'GLANOID' SUPRARENAL CORTEX IS SUPPLIED IN TABLETS & AMPOULES

LITERATURE & RESUME OF CASE REPORTS WILL BE SENT ON REQUEST

*Write to :—*

LABORATORY DEPARTMENT

**ARMOUR AND COMPANY LIMITED**

ARMOUR HOUSE, St. MARTIN'S-LE-GRAND, LONDON, E.C.1.

Telephone: NATIONAL 2424. Telegrams: "ARMOSATA-CENT" LONDON

# There is many a cause for ACIDOSIS

It may be a common cold or any febrile disease, it may be nephritis or liver disorder, general anæsthesia or pregnancy . . . but whatever the cause of acidosis, ALKA-ZANE is well designed to restore and maintain the alkaline balance. The citrates, carbonates and phosphates of sodium, potassium, calcium and magnesium in Alka-Zane supply the necessary support to the alkali reserve. Alka-Zane is supplied in 4 ounce bottles. Trial quantity gladly sent on request.

WILLIAM R. WARNER & CO., LTD., POWER ROAD, CHISWICK, LONDON. W.4

# Cystopurin

## The ideal urinary antiseptic for oral administration!

1. Produces no gastric irritation or toxic symptoms.
2. Is readily absorbed from the gut and excreted in the urine.
3. Causes no renal irritation.
4. Renders the urine bactericidal in low concentrations.
5. Acts from the renal pelvis downwards.
6. Is active in either acid or alkaline urine.
7. Perfectly safe for use in febrile conditions.
8. Acts on all causative organisms of urinary infections.

## PROSTATITIS

*From information received :—*

"The Cystopurin—I had good results in one case. A man of about 64 with a small fibrous prostate, suffering from frequency and retention. Three tablets daily cleared up his symptoms in six weeks except for a little nocturnal frequency, but all pain, straining and scalding had gone. He had been on various mixtures before for three months with no result."

"I am very pleased to say that Cystopurin is certainly having satisfactory results with a case of cystitis due to cancer of the bladder. I find it also satisfactory in gonorrhoea and prostatitis."

"In a case of chronic prostatitis and cystitis in a man aged 64, Cystopurin greatly improved the condition of urine and frequency of micturition. Patient has had lately very good nights. Bacterial examination, no pus in urine."

"I have pleasure in reporting to you on my experience of Cystopurin. I have in the past used it in intractable cases of cystitis or prostatitis and have had very good results."

"Male aged 56. This man had delayed coming forward for treatment for about a month and was in a very serious condition. He had an acute urethritis with prostatitis and orchitis, the testicle being about the size of an orange. His temperature was 103.4° F. Pain was extreme and he was afraid to micturate. He was put on treatment at once but with very poor results. I administered Cystopurin tablets in the dosage of two t.i.d. At the end of the third day an improvement was noticed, the temperature having fallen to 100° F. The dose was then increased to three t.i.d. At the end of a fortnight the prostate was considerably reduced in size and much less tender, and the testicle was nearly normal in size and painless. Progress was thereafter uninterrupted, the first negative smear being returned much sooner than was anticipated. The dose of three tablets t.i.d. was reduced to one t.i.d. when the temperature became normal on the seventh day.

"I am sure that this man's illness would have been of much longer duration but for Cystopurin."

**Supplied in bulk and in tubes of 20 tablets for dispensing purposes.**

*Samples and literature available on request to*

**GENATOSAN LIMITED, Loughborough, Leicestershire.**

# FOR THE TREATMENT OF PERNICIOUS ANAEMIA

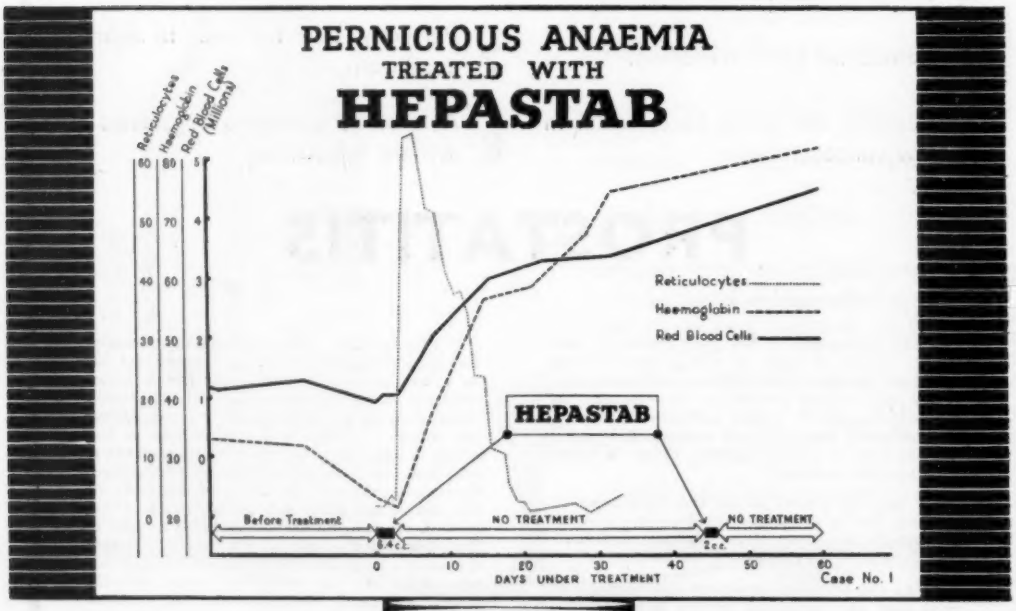
TRADE MARK

# HEPASTAB

BRAND

## Intramuscular Liver Extract.

"It is universally agreed that parenteral treatment of pernicious anæmia is very efficient and cheap, and enables definite therapy to be given to the patient whatever the clinical condition. This is the only satisfactory method of treatment when the anæmia is associated with impairment of gastro-intestinal absorption. The responses are dramatic and the subsequent maintenance doses are such that only occasional small injections need be given at intervals of two to six weeks."—(*Pract.*, *1936*, **137**, *453*)




Every batch of Hepastab is subjected to clinical trial under rigidly controlled conditions.
Supplied in 2 c.c. and 4 c.c. ampoules.

Copies of our booklet entitled "Hepastab in the Treatment of Pernicious Anæmia" will be sent on request.

**BOOTS PURE DRUG CO. LTD NOTTINGHAM. ENGLAND**

# "COMMON COLD"

AND

# ANTI-CATARRH VACCINE (EVANS)

(LOCAL STRAINS)

## *For Prophylaxis and Treatment*

The facilities of the pathological laboratories at **EVANS' BIOLOGICAL INSTITUTE** enable us to issue vaccines prepared from organisms collected in the locality in which the vaccine is to be used. It will be appreciated that such vaccines are highly specific, producing a greater proportion of successful results compared with ordinary Stock Vaccines.

The following formulæ have been evolved, after many years' experience, as having a comprehensive selection of organisms as found in numbers of typical cases, in the correct proportions.

**"COMMON COLD" & ANTI-CATARRH VACCINE (EVANS)**

**(No. 3, for Prophylaxis)**

| | | |
|---|---|---|
| *M. catarrhalis* ... ... ... | 200 *million* | per cc. |
| *Diplococci pneumoniæ*... ... | 200 ,, | |
| *Streptococci* ... ... ... | 200 ,, | |
| *B. Friedlander* ... ... ... | 100 ,, | |
| *B. septi* ... ... ... | 100 ,, | |
| *Staphylococci (alb. et aur.)* ... | 200 ,, | |
| *M. tetragoni* ... ... ... | 100 ,, | |
| *B. influenzæ* ... ... ... | 100 ,, | |

**"COMMON COLD" & ANTI-CATARRH VACCINE (EVANS)**

**(No. 1, for Treatment)**

| | | |
|---|---|---|
| *M. catarrhalis* ... ... ... | 50 *million* | per cc. |
| *Diplococci pneumoniæ* ... | 50 ,, | |
| *Streptococci* ... ... ... | 50 ,, | |
| *B. Friedlander* ... ... ... | 25 ,, | |
| *B. septi* ... ... ... | 25 ,, | |
| *Staphylococci (alb. et aur.)* ... | 50 ,, | |
| *M. tetragoni* ... ... ... | 25 ,, | |
| *B. influenzæ* ... ... ... | 25 ,, | |

DOSAGE—PROPHYLACTIC (Vaccine No. 3)

As different patients vary in their reaction to vaccine treatment, it is only possible to suggest the average procedure. A brochure which deals fully with the question of dosage will be sent on application. In general, a series of three injections (given before the season during which the person is usually susceptible) is recommended. The initial dose is 0.25 cc. followed by 0.5 cc. after an interval of seven days, and a further 1 cc. after another week or so.

DOSAGE—CURATIVE (Vaccine No. 1)

In acute conditions an initial dose of 0.1 cc. or 0.2 cc. and in chronic conditions 0.25 cc. The initial dose may be repeated after three days. If no reaction is produced, subsequent injections can be larger.

**EVANS' "COMMON COLD" AND ANTI-CATARRH VACCINES (Local Strains)** are issued as follows:

Boxes of 3 × 1 cc. Ampoules, No. 3 Vaccine (Prophylaxis) ... 7/6 per box

Boxes of 6 × 1 cc. Ampoules, No. 1 Vaccine (Treatment) ... 14/- per box

Also in 5 cc., 10 cc. and 25 cc. bottles and in single Ampoules

Made in England at EVANS' BIOLOGICAL INSTITUTE by

# Evans Sons Lescher & Webb Ltd.

Liverpool and London

# For Delicate Adults and Children

"Lixen" is an extract of senna prepared by a special cold process to allay the griping action. The absence of an after-constipating effect gives it a special value in habitual constipation, and its gentle, though efficient, action, together with its pleasant flavour, makes it particularly acceptable to women, children, elderly and delicate persons, and convalescents, for whom the finding of a satisfactory aperient is often difficult.

*Descriptive literature and clinical sample will be sent on request.*

# "LIXEN"

## ELIXIR & LOZENGES

**"LIXEN" Elixir**
In bottles of 4 oz. **1/9**, 8 oz. **3/-**, and 16 oz. **5/6**.
In bottles of 40 and 80 oz. for dispensing.

**"LIXEN" Laxative Lozenges**
In tins of 12, **7½d.**, and 24, **1/-** and bottles of 100, **3/6**.
In bottles of 500 for dispensing.

# INSULIN 'A.B.'

Insulin 'A.B.' was the first British insulin offered commercially to the medical profession. Its manufacture on an industrial scale was the direct result of research carried out by the joint manufacturers in their physiological and chemical laboratories; its supremacy has been fully maintained by the persistent work of the research staff engaged in its production.

Insulin 'A.B.' has a world-wide reputation for its strictly safeguarded sterility, its carefully standardised strength, its freedom from toxic reactions and its stability in hot climates.

Supplied in three strengths:

**20 units per c.c.** Packed in bottles containing:
5 c.c. (100 units) **1/6** each
10 c.c. (200 ,, ) **2/10** ,,
25 c.c. (500 ,, ) **6/10** ,,

**40 units per c.c.** Packed in bottles containing:
5 c.c. (200 units) **2/10** each

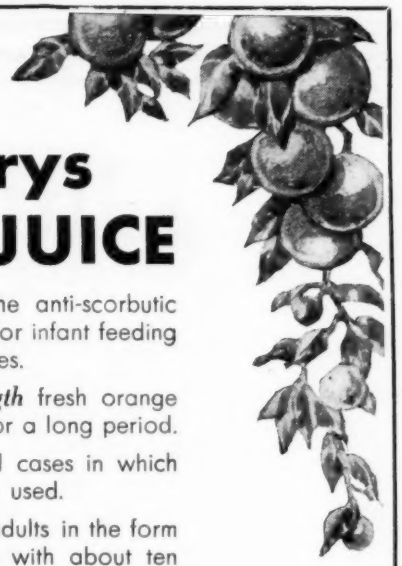
**80 units per c.c.** Packed in bottles containing:
5 c.c. (400 units) **5/6** each

*Full particulars and the latest literature will be sent free to members of the Medical Profession*

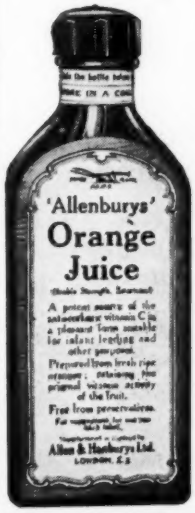
*Joint Licencees and Manufacturers:*

**Allen & Hanburys Ltd.** **The British Drug Houses Ltd.**

Double Strength Sweetened



# Allenburys ORANGE JUICE




Supplies a potent source of the anti-scorbutic vitamin C in a form convenient for infant feeding and other purposes.

It is equivalent to *double strength* fresh orange juice and retains its full activity for a long period.

Employed with advantage in all cases in which fresh orange juice is used.

May be taken by children and adults in the form of a delightful drink by diluting with about ten times its volume of plain or aerated water or milk.

Contains no alcohol or chemical preservative.

**ALLEN & HANBURYS LTD., LONDON, E.2**

Telephone: Bishopsgate 3201 (12 lines)

Telegrams: "Greenburys Beth London"

*Further particulars and clinical sample will be sent post free on application.*

# Intestinal Toxæmia with Hypertension Gastric Fermentation and Distension

"CHARKAOLIN" adsorbs toxins and gases in the stomach and intestines. An index of its adsorptive activity is its complete deodorisation of the intestinal contents.

"CHARKAOLIN" has given remarkable results in some cases of hypertension with intestinal auto-intoxication.

"CHARKAOLIN" is the original preparation of activated charcoal with "Osmo" Kaolin."

**"CHARKAOLIN" GRANULES.** In bottles at **2/6**

**"CHARKAOLIN" TABLETS.** In bottles at **1/6** and **2/6**

Prices in Great Britain and Northern Ireland.

*Descriptive literature and clinical sample on request.*

# 'CHARKAOLIN'

**Allen & Hanburys Ltd., London, E. 2** Telephone: 3201 Bishopsgate (twelve lines) Telegrams: "Greenburys Beth London."

# Gluco-Fedrin

THE development of vehicles suitable for medicaments employed in the treatment of inflammation of the nasal mucosa has been the subject of special investigation. Studies in the Parke-Davis Laboratories have been undertaken with the specific purpose of finding a vehicle that is stable, non-irritating and miscible with the nasal secretion. Various oils and oily emulsions were discarded because, being immiscible, they tended to hinder or delay the action of medicaments. Aqueous solutions and glycerinated vehicles are not entirely free from irritating properties. An isotonic dextrose solution containing menthol, Chloretone and ephedrine was found to be superior to other preparations tested. Its blandness, ready miscibility with the nasal secretion, and stability make it particularly satisfactory. Such a combination is now available under the name "Gluco-Fedrin" and is suggested for use as a vaso-constrictor in diagnostic investigations of the nose and accessory sinuses as well as for the treatment of hayfever and other forms of allergic rhinitis.

*FORMULA*

| | |
|---|---|
| *Ephedrine* .... | 1 *per cent.* |
| *Chloretone* .... | 0.5 *per cent.* |
| *Menthol* ..... | 0.1 *per cent.* |
| *Dextrose Solution* ..... | *q.s.* |

*Supplied in 10 c.c. bottles each with a dropper.*

**Parke, Davis & Company**

**50, Beak Street, London, W.1**

*Laboratories: Hounslow, Middlesex* *Inc. U.S.A., Liability Ltd.*

# Two 'TABLOID' Products of Particular Value in EVERYDAY PRACTICE

*Reduced facsimile*

TRADE MARK **'TABLOID'** BRAND

TRADE **'EMPIRIN'** MARK

(ACETYLSALICYLIC ACID)

## COMPOUND

℞

| | | |
|---|---|---|
| *'Empirin' Acidi Acetylsalicylici* ... | *gr.* 3-1/2 | (0·227 *gm.*) |
| *Phenacetini* ... ... ... | *gr.* 2-1/2 | (0·162 *gm.*) |
| *Caffeinæ* ... ... ... | *gr.* 1/2 | (0·032 *gm.*) |

An analgesic and antipyretic with an established reputation. Presents medicaments of an exceptionally high standard of purity, ensuring rapid and consistent therapeutic action.

*Bottles of* 25 *products, at* **1/3**
,, ,, 100 ,, ,, **3/9**

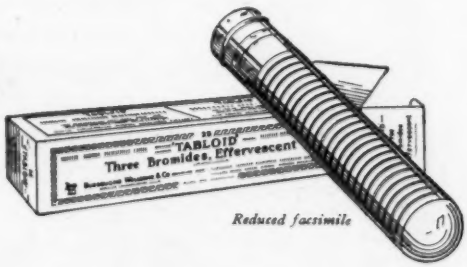
☆ ☆ ☆ ☆ ☆

TRADE MARK **'TABLOID'** BRAND

## THREE BROMIDES EFFERVESCENT

Affords a convenient means of administering the bromides in a palatable, sparkling draught in which their saline taste is effectively masked.

*Tubes of* 25 *products, at* **2/1**




*Reduced facsimile*

*Potassii Bromidi,* 0·4 *gramme (gr.* 6-1/4 *approx.)*
*Sodii Bromidi,* 0·4 *gramme (gr.* 6-1/4 *approx.)*
*Ammonii Bromidi,* 0·2 *gramme (gr.* 3 *approx.)*
*Salis Effervescentis, q.s.*

**London Prices to the Medical Profession**

**BURROUGHS WELLCOME & CO., LONDON**

*Address for communications:* SNOW HILL BUILDINGS, E.C.1

*Exhibition Galleries:* 10, HENRIETTA STREET, CAVENDISH SQUARE, W.1

*Associated Houses:*
NEW YORK MONTREAL SYDNEY CAPE TOWN MILAN BOMBAY SHANGHAI BUENOS AIRES

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A NEW "SCHERING" PRODUCT

the cardiac stimulating glucoside

# 'FOLINERIN'

**(obtained from Nerium Oleander)**

For all cardiac conditions where digitalis would normally be used but with the following advantages.

*Marked advantages of 'Folinerin'*

1. **Pure crystalline body: therefore constant cardiac effect.**
2. **Stable towards digestive juices: no decomposition as with digitalis.**
3. **Molecule smaller than digitalis: therefore more rapid in action.**
4. **Non-cumulative: danger of toxicity reduced to minimum.**

Bottles of 50 tablets (oral) 0·1 mg.

*Clinical samples and literature on request.*

**SCHERING LIMITED, 185-192, HIGH HOLBORN, LONDON, W.C.1**

# TWO ASPECTS

In emergency cases the opportunity of an X-ray examination is frequently the means of saving a patient's life. In other serious cases, too, examinations carried out in the patient's own home are of the greatest possible value.

Within forty minutes of the arrival of a PORTABLE X-RAY Service Car, negatives are ready for inspection.

A fully descriptive booklet will gladly be sent on request to the address given.

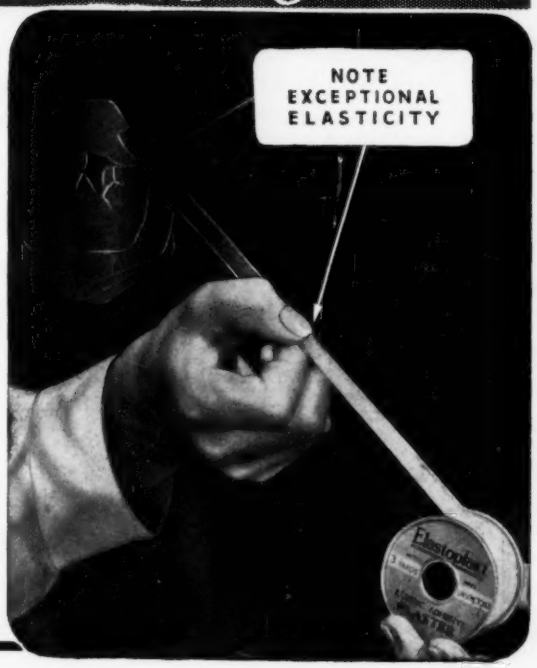
PORTABLE X-RAYS LTD.
X-RAY CAR SERVICE
*Any Hour Any Day Any Night*
POWER ROAD, CHISWICK, W.4.
*Telephone: (Day & Night) CHISWICK 4006/7*

# 'Elastoplast' Elastic Strapping Plaster

**This illustration depicts the exceptional elasticity which is characteristic of all 'Elastoplast' products. The plaster stretches readily to nearly twice its original length.**

**'Elastoplast' Elastic Adhesive Plaster is preferred on account of its extreme adaptability and ease in handling.**

**The 3-yard lengths (stretching to 5/6 yards) can be had on metal spools in tins, or on the convenient SNAP SPOOLS, widths ½", 1" and 1½". 1-yard lengths (stretching to 1¾/2 yards) are available on card cores in tins. Free samples on request to Dept. L. 15, T. J. Smith & Nephew Ltd., Neptune Street, Hull.**




Elastoplast
TRADE MARK
**ELASTIC ADHESIVE PLASTERS**
**Obtainable through your usual supplier.**

# PHOSPHO-SODA

(FLEET)

fulfils all the requirements of an ideal

## BILIARY STIMULANT

and

## SALINE APERIENT

PALATABLE—EASY TO ADMINISTER—QUICK AND GENTLE IN ACTION—DOES NOT IRRITATE THE INTESTINAL MUCOSA—EXHIBITS A BUFFERING ACTION AGAINST ACIDITY

Favourably influences the natural functions of the liver, mildly stimulates the renal tract, eliminates excess mucus and toxic material, empties and cleanses the intestines with complete absence of griping, strain or discomfort.

Unsurpassed for gall-bladder drainage with or without the tube.

*Phospho-Soda (Fleet) should be well diluted with plain or aerated water before administration.*

AVERAGE DOSAGE

**As a Laxative and Liver Stimulant:** *One teaspoonful, in water, before meals*
**As a Purgative:** *Three or four teaspoonfuls, in water, before breakfast*

Supplied in bottles of 2½, 6 and 16 fluid ounces at **1/6, 3/-, & 6/-.**

*Literature and Samples on request*

**THE ANGLO-FRENCH DRUG CO. LTD.**
**11-12, GUILFORD STREET, LONDON, W.C.1**

# DIET IN PREGNANCY

**Composition**

| | Powder | Reconstituted Food (1 in 8) |
|---|---|---|
| Fat ... ... ... | 27·10% | 3·4% |
| Proteins ... ... | 26·50 | 3·3 |
| Lactose ... ... | 37·45 | 4·7 |
| Milk Salts, including calcium and phosphorus | 5·85 | 0·7 |
| Iron Salts ... ... | 0·90 | 0·1 |
| Moisture ... ... | 2·20 | 87·8 |
| | 100·0 | 100·0 |
| Calorific value per oz. | 146 | 18·3 |

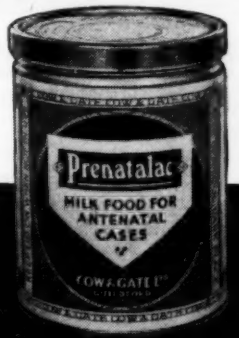
International Vitamin D Units per pint 250

It is now fully recognised that diet in pregnancy plays an important part in the maintenance of the health of the mother. More particularly, attention has been drawn to the essential inclusion of calcium and phosphorus salts, iron salts and vitamins in this diet.

Prenatalac is a milk food prepared from full cream milk powder and contains added mineral salts and vitamins in optimum concentrations. It has been used successfully for the past year in the nutritional treatment of pregnant women and whilst being well tolerated does not have any constipating effects.

## Prenatalac

**A MILK DIET FOR ANTE AND POST NATAL PURPOSES**

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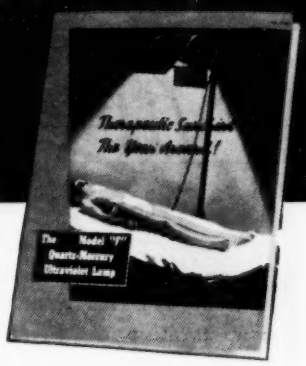


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For the treatment of Alcoholism, other Drug Habits, Insomnia, Neurasthenia, Functional Nervous Disorders. Fees 6 to 8 guineas. Special terms for paying guests or long term patients. Billiards and various amusements. Charmingly situated. Under new management with added accommodation. Ladies and gentlemen admitted for treatment. For Prospectus apply Medical Superintendent or Matron.

'Phone: Chislehurst 451.

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# HOME for EPILEPTICS, MAGHULL

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FARMING and OPEN AIR OCCUPATION for PATIENTS

**A few vacancies in 1st and 2nd Class Houses.**

FEES:

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*For further particulars apply:* **Secretary,**

C. EDGAR GRISEWOOD, A.C.A., 20, Exchange St. East, Liverpoo

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# COURT HALL

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**FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS**

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**CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases.** A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.

*Resident Physicians*—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.

*Telephones*—Starcross 59 and Teignmouth 289.

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## PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

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# BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.

Telephone: No. 6207 Barnwood.

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# THE WARNEFORD, OXFORD.

## HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

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## Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

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**PRIVATE PATIENTS**

London County Council. — Accommodation for Male Patients (voluntary, temporary, or certified) is provided in the private section of Claybury Mental Hospital, Woodford-bridge, Essex. Terms, exclusive of clothing and special luxuries, 42s. a week for London cases, 49s. a week for others.

For particulars apply to the Medical Superintendent at the Hospital, or to the Chief Officer, Mental Hospitals Department, Shell-Mex House, Strand, W.C.2.

# SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

**For Mental Cases with or without Certificates.**

*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

# HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

# CLARENCE LODGE

## CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

**HOME FOR TWELVE MENTAL PATIENTS (LADIES).**

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

*Station:* Clapham Common Tube.

*Phone:* Tulse Hill 4913

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(18 MILES FROM LONDON.)

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HOME for few LADIES Mentally Afflicted. Large grounds. Liverpool st. 26min. Stations Brentwood, Shenfield, one mile. Boarders received. Apply Dr. Haynes

Telephone and Telegrams: Haynes Brentwood 45.

# CHISWICK HOUSE, PINNER, MIDDLESEX.

Telephone: Pinner 234.

A PRIVATE HOSPITAL FOR THE TREATMENT AND CARE OF MENTAL AND NERVOUS ILLNESSES IN BOTH SEXES.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings.

Fees from 10 guineas per week inclusive.

Cases under certificate, Voluntary and "Temporary" Patients received for treatment. DOUGLAS MACAULAY, M.D., D.P.M.

# FENSTANTON

**Christchurch Road, Streatham Hill, S.W.2**

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

*Apply:* **Dr. MADELINE R. LOCKWOOD,**

*phone:* TULSE HILL 7181 *Resident Physician Superintendent.*

**Telegraphic Address: "Relief, Old Catton."** **Telephone: 290 Norwich.**

## NERVOUS & MENTAL AFFECTIONS

*Ladies only received*

# The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

# MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind

Terms moderate: Apply to Resident Medical Superintendent.

Telegrams: ADAM WEST MALLING. Telephone: No. 2 MALLING.

# THE COPPICE, NOTTINGHAM.

## HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

# HILL END HOSPITAL AND CLINIC

## FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary, or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

## HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

## ST. ALBANS, HERTS

# CITY OF LONDON MENTAL HOSPITAL

**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

# STRETTON HOUSE,

**Church Stretton, Shropshire.**

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2328.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

# BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

*For further particulars apply—*

Dr. ERNEST ROLLINS, Resident Physician.

*Tel.* · Clissold 1848

# Westminster Hospital,

Broad Sanctuary, S.W.1.

THE "WANDER" SCHOLARSHIP IN DISEASES OF CHILDREN.

Applications are invited for the office of "WANDER" SCHOLAR (Clinical Pathologist and Registrar to the Children's Department).

Salary £250 per annum. Duties to commence 1st October, 1937. Candidates must be registered Medical Practitioners who have held a Resident Hospital post and had some experience in Pathology or in Diseases of Children. The office is a whole-time one and is tenable for one year.

Applications (six copies), together with six copies of three recent testimonials, should be submitted to the undersigned (from whom further details regarding the duties of the office can be obtained), not later than Friday, September 17th, 1937.

By order of the House Committee.

CHARLES M. POWER, Secretary.

## Royal National Orthopædic Hospital.

Applications are invited for the posts of HOUSE SURGEONS (two, Male, unmarried) for a period of six months commencing October 1st, renewable for a further period of six months on the recommendation of the Medical Board. £150 per annum, with full board, quarters, and laundry. Applicants should be registered Medical Practitioners.

Applications, with copies of testimonials, should be sent to the House Governor, 234, Great Portland-street, W.1, not later than September 14th.

## Woolwich and District War MEMORIAL HOSPITAL,

Shooters Hill, London, S.E.18.

General Hospital (112 Beds).

RESIDENT SURGICAL OFFICER.

The Board of Management invites applications from suitably qualified Male candidates for appointment as Resident Surgical Officer. Applicants must have special knowledge of surgery. This appointment (which is recognised by the Royal College of Surgeons of England for the six months' training required of candidates before admission to the Final Examination for the Fellowship) will be for twelve months with effect from October 1st, 1937, at a salary of £175 per annum, plus board, residence, and laundry, and subject to extension for a further twelve months at £200 per annum, if approved by the Board of Management.

The closing date for the receipt of applications, which should be made on the prescribed form (obtainable from the undersigned), is September 18th, 1937, and short-listed candidates will be required to meet the Appointments Committee on Thursday, September 23rd, at 4.45 P.M.

R. S. G. HUTCHINGS, Secretary.

## Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, W.10.
(81 Beds.)

HOUSE PHYSICIAN (either sex) required for six months from 1st October, 1937. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned, and must reach him not later than Saturday, 18th September, 1937. H. J. ELEY, Secretary.

## The Willesden General Hospital,

Harlesden-road, N.W.10.

Applications are invited from fully qualified and registered candidates (unmarried) for the appointment of a Resident Officer, to hold the appointment of CASUALTY OFFICER for a period of three months from the 1st October, 1937, followed by a six months' appointment as HOUSE PHYSICIAN (total nine months).

Salary at the rate of £100 per annum.

Applications to be received by the Secretary not later than first post on Tuesday, 14th September, 1937.

25th August, 1937.

## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A RESIDENT HOUSE PHYSICIAN (Male) and a RESIDENT HOUSE SURGEON (Male) are required. Duties to commence on the 18th October, 1937.

The appointments are tenable for six months. Salaries at the rate of £100 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 27th September, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 6th October, 1937.

Further particulars and forms of application are obtainable from the undersigned.

August, 1937. HERBERT F. RUTHERFORD, Secretary.

## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

Applications are invited for the post of RESIDENT SURGICAL OFFICER, which becomes vacant on the 1st November, 1937 (salary £200 per annum).

The appointment is tenable in the first instance for one year, but may be held for a period of two years subject to annual re-election.

Candidates must be unmarried, possess a legal qualification to practise, and must have held a responsible Hospital appointment at a General Hospital.

Applications must be received by noon on Monday, the 27th September, 1937, and candidates must be prepared to attend for interview at the Hospital on Wednesday, 6th October, 1937, at 4.45 P.M.

Full details of the appointment and forms of application are obtainable from the undersigned.

August, 1937. HERBERT F. RUTHERFORD, Secretary.

## Dreadnought Hospital,

Greenwich, S.E.10 (Seamen's Hospital Society).

Applications are invited for the non-resident post of RECEIVING ROOM OFFICER (Male), for six months from the 18th October. Salary £200 per annum, with lunch and tea. Hours of attendance: week-days 9 A.M. to 5 P.M., Saturdays 9 A.M. to 12 noon.

Applications, stating age, nationality, and experience of previous House appointments, accompanied by copies of testimonials, to be sent in immediately to the undersigned.

26th August, 1937. F. A. LYON, Secretary.

## The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

RESIDENT SURGICAL OFFICER (Male) required for a period of six months in the first place from 1st October, 1937, eligible for re-election. Salary at the rate of £200 per annum, with board, residence, and laundry (together with £25 to cover all duties during the six months relating to Private Patients). Previous resident experience and F.R.C.S. essential.

Full particulars may be obtained from the Secretary-Manager, by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M. September 14th, 1937.

## The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

HOUSE PHYSICIAN AND CASUALTY OFFICER (Male or Female) required for a period of six months as from 1st October, 1937, also

CASUALTY OFFICER AND OBSTETRIC HOUSE SURGEON (Male or Female) required for a period of six months as from 1st October, 1937.

The following details apply to both posts. Salary at the rate of £110 per annum, with board, residence, and laundry (together with £10 to cover all duties during the six months relating to private patients). Previous residence experience desirable but not essential. Full particulars may be obtained from the Secretary-Manager by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M. September 14th, 1937.

## The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

Applications are invited for the post of HONORARY ASSISTANT OBSTETRIC PHYSICIAN and GYNÆCOLOGIST to the above Hospital. Applicants must be Fellows of the Royal College of Surgeons, England.

Full particulars may be obtained from the Secretary-Manager by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M. September 14th, 1937.

## West London Hospital,

Hammersmith-road, W.6. (239 Beds.)

Required, one RESIDENT ANÆSTHETIST (Male). The appointment is tenable until 31st March, 1938, subject to one month's notice on either side. Salary at the rate of £100 a year, with board, lodging, and laundry allowance.

Candidates must be registered under the Medical Act.

Applications (which must be made on printed forms, obtained from me) must reach me not later than first post on Thursday, 16th September. Selected candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at the Medical Council Meeting on Friday, 24th September, at 4.30 P.M. and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

## GENERAL POST OFFICE
### HEADQUARTERS MEDICAL BRANCH
(Female Staff)

There will shortly be two vacancies for ASSISTANT WOMEN MEDICAL OFFICERS in the Headquarters Medical Branch. The appointments will be pensionable and will carry a salary commencing at £500 a year and rising by annual increments of £25 to £700 a year. The rates of salary are liable to review.

Each candidate must be fully qualified Medical Practitioner, a natural-born British subject, and the child of a person who is or was at the time of death a British subject. Candidates must also be unmarried, or widows. Preference will be given to candidates under thirty who have held one or more Hospital appointments. The successful candidates will not be allowed to engage in private practice in addition to their official duties.

Applications, stating qualifications, age, &c., with copies of any recent testimonials, should be sent to the Chief Medical Officer, General Post Office, London, E.C.1, not later than the 20th September, 1937.

Political influence should not be sought in support of applications; it would prejudice rather than assist the candidature.

The Female Medical Staff at Headquarters consists of a senior Woman Medical Officer and five Assistant Women Medical Officers. Information as to the duties can be obtained from the Chief Medical Officer.

Candidates may be required to attend for personal interview in London at their own expense.

# INDIAN MEDICAL SERVICE

## RECRUITMENT OF EUROPEAN OFFICERS

**Applications are invited from Medical Men for Permanent Commissions in His Majesty's Indian Medical Service. The terms offered include a gratuity of £1,000 on retirement after six years' service, or of £2,500 after 12 years' service, together with free return passages, for those who no longer desire to remain in the Service. In other respects the terms will be as detailed below.**

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

### CAREERS.

The Indian Medical Service offers a permanent career with wide opportunities of medical experience, including clinical, preventive, specialist, and research work. At the beginning of his career an officer is employed on the military side, which has medical charge of the Indian Army. Promotion is on a time scale up to the rank of Lieutenant-Colonel, and by selection to the ranks of Colonel and Major-General. An officer may apply after one year's Indian Service to have his name registered for transfer to the civil side, from which appointments are made to Civil Surgeoncies, which are established at the principal civil centres to provide for the medical needs of Civil Officials and for general medical administrative purposes; to specialist (for example, public health and bacteriological) services; to research posts; and to professorships at the Medical Schools.

### RATES OF PAY.

| Years of Service. | Rank. | Basic Pay. Rs. per mensem. | Overseas Pay. £ per month. | Total. £ per annum. |
|---|---|---|---|---|
| 1 | Lieutenant. | 450 | 15 | 585 |
| 2 | Captain. | 500 | 25 | 750 |
| 3 | " | 550 | 25 | 795 |
| 4 | " | 550 | 25 | 795 |
| 5 | " | 600 | 25 | 840 |
| 6 | " | 600 | 30 | 900 |
| 7 | " | 700 | 30 | 990 |
| 8 | " | 700 | 30 | 990 |
| 9 | " | 700 | 35 | 1050 |
| 10 | " | 700 | 35 | 1050 |
| 11 | Major. | 800 | 35 | 1140 |
| 12 | " | 800 | 40 | 1200 |
| 13 | " | 800 | 40 | 1200 |
| 14 | " | 800 | 40 | 1200 |
| 15 | " | 800 | 40 | 1200 |
| 16 | " | 950 | 40 | 1335 |
| 17 | " | 950 | 40 | 1335 |
| 18 | " | 950 | 40 | 1335 |
| 19 | " | 1100 | 40 | 1470 |
| 20 | " | 1100 | 40 | 1470 |
| 21 | Lieut.-Col. | 1350 | 40 | 1695 |
| 22 | " | 1350 | 40 | 1695 |
| 23 | " | 1350 | 40 | 1695 |
| 24 | " | 1500 | 40 | 1830 |
| 25 | " | 1500 | 40 | 1830 |

*Note.*—(1) The rupee is at present stabilised at a rate equivalent to 1*s.* 6*d.*

(2) An officer promoted to the rank of Lieut.-Colonel before completion of 20 years' service will receive pay at the rate of Rs. 1200 per mensem (basic) plus £40 per month overseas pay.

*Extras.*—In addition to the above rates various allowances are admissible for a large number of special appointments on both the military and the civil side which may be held by members of the Indian Medical Service. Special high rates of pay are also attached to the numerous administrative appointments open to officers in both branches of the Service.

### ANTEDATES IN COMMISSION.

Candidates possessing certain higher medical qualifications or holding the Diploma in Public Health may be granted an antedate in their commissions. Past service in certain hospital appointments may also render candidates eligible for an antedate. Persons holding or about to hold resident posts at recognised hospitals may be seconded in those posts for a period. The maximum period of antedate, secondment, or antedate and secondment combined, admissible under this paragraph, is limited to 18 months.

### OUTFIT ALLOWANCE.

Officers on appointment will receive an allowance of £75 towards the cost of outfit.

### PRIVATE PRACTICE.

With the exception of Administrative Officers, military or civil, and officers holding certain special appointments, officers are not debarred from taking private practice, so long as it does not interfere with their proper duties.

### LEAVE.

Leave can be taken at reasonable intervals, and adequate rates of leave pay are provided. Extra leave (known as study leave), which may not exceed 12 months in all during an officer's service, may be granted to officers desirous of pursuing special courses of study of a post-graduate nature. During such leave, study allowance, at present fixed at the rate of 12*s.* a day in the United Kingdom, £1 a day on the Continent of Europe, and £1 10*s.* a day in the United States of America and Canada is granted to an officer in addition to ordinary rates of leave pay.

### PENSIONS.

The rates of pensions are as follows:—

| | Per annum. £ | s. |
|---|---|---|
| After 17 years' service for pension .. .. | 372 | 0 |
| " 18 " " " .. .. | 400 | 0 |
| " 19 " " " .. .. | 428 | 0 |
| " 20 " " " .. .. | 465 | 0 |
| " 21 " " " .. .. | 502 | 0 |
| " 22 " " " .. .. | 539 | 10 |
| " 23 " " " .. .. | 576 | 10 |
| " 24 " " " .. .. | 614 | 0 |
| " 25 " " " .. .. | 651 | 0 |
| " 26 " " " .. .. | 697 | 10 |
| " 27 " " " .. .. | 744 | 0 |

There are additional pensions ranging from £65 to £350 per annum for officers who have held administrative appointments.

### PASSAGES.

An officer on appointment is provided with free passage to India. The families of officers who are married prior to the date of the officers' embarkation on first appointment will also be provided with free passage to India, subject to the payment of messing charges. Officers and their families are also eligible for passage concessions under which they are granted a certain number of return passages home at Government expense during their service.

### INSTRUCTION PRIOR TO EMBARKATION.

Officers are required to undergo courses of instruction at the Royal Army Medical College and at Aldershot, lasting approximately three months, prior to their embarkation for India on first appointment. Information as to the rates of pay admissible during this period and subsequently up to arrival in India is contained in the memorandum referred to below.

**A memorandum giving full details regarding these appointments and forms of application may be obtained from the UNDER-SECRETARY OF STATE FOR INDIA, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. The Selection Committee will meet at the India Office early in October next, and the selected candidates will be required to join a course of instruction commencing about 1st November, prior to sailing for India in February, 1938. Applications should reach the India Office as soon as possible and in no case later than 2nd October.**

INDIA OFFICE, September, 1937.

## Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

Applications are invited from fully qualified Medical Women for the post of MEDICAL REGISTRAR—Non-resident—Honorarium £100 per annum.

Particulars can be obtained from the undersigned to whom applications, with testimonials, should be sent before the 1st October, 1937.

3rd September, 1937. JEAN R. MURRAY, Secretary.

## Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the appointment of:—

HONORARY PHYSICIAN to the Children's Department.

Applicants must hold the M.D. Degree and be Members of the Royal College of Physicians. Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, should be sent to the undersigned before 1st October, 1937.

3rd September, 1937. JEAN R. MURRAY, Secretary.

## Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

Applications are invited from fully qualified Medical Women for the posts of CLINICAL ASSISTANTS in the Medical and Surgical Departments.

Particulars of the posts vacant can be obtained from the undersigned to whom applications should be sent.

3rd September, 1937. JEAN R. MURRAY, Secretary.

## Elizabeth Garrett Anderson Hospital,
Euston-road, W.1.

Applications are invited from qualified women for the resident post of THIRD HOUSE SURGEON.

The appointment is for four months, with a possible extension for a further six months. Duties to begin 1st October, 1937. Salary at the rate of £50 per annum with board, residence, and laundry.

Further particulars can be obtained from the undersigned, to whom applications with copies of three testimonials should be sent on or before 17th September.

JEAN R. MURRAY, Secretary.

## St. Bartholomew's Hospital.
OFFICE OF OPHTHALMIC SURGEON.

Notice is hereby given that a meeting of the Election Committee will be held on Tuesday, 19th October, 1937, at 4 o'clock in the afternoon to elect an Ophthalmic Surgeon to the Hospital.

Candidates, who must be Fellows of the Royal College of Surgeons of England, are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Saturday, 25th September, 1937.

21st August, 1937. THOMAS HAYES, Clerk to the Governors.

## National Temperance Hospital,
Hampstead-road, N.W.1.

Applications are invited for the post of HONORARY DERMATOLOGIST. Applicants should have the Degree of Member of the Royal College of Physicians, or be graduates of a University.

Twenty copies of applications, giving full particulars, with copies of three recent testimonials, should be sent to the Secretary by Wednesday, September 15th.

## The National Temperance Hospital,
Hampstead-road, N.W.1.

Applications are invited for the following post—CASUALTY OFFICER (Male). Salary £120 per annum, board, residence, and laundry allowance being provided.

The appointment is for a period of six months, as from October 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Wednesday, September 15th, addressed to the Secretary.

## Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st November, 1937. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Tuesday, 28th September.

F. DUDLEY HOBBS, B.A., Secretary.

## The Infants Hospital,
Vincent-square, Westminster.

Applications are invited for the post of HOUSE PHYSICIAN (either sex). Salary at the rate of £100 per annum, with board, residence, and laundry.

The appointment is for six months from November 1st. Applications, with copies of testimonials, to be forwarded to the undersigned not later than September 30th.

ALFRED J. SMALL, Secretary.

## KING'S COLLEGE HOSPITAL MEDICAL SCHOOL
(UNIVERSITY OF LONDON)
DENMARK HILL, S.E.5

THE PAST and PRESENT STUDENTS' DINNER, at which the Dean (Dr. J. A. Drake) will preside, will be held on SATURDAY, OCTOBER 23rd, at 7.30 for 8 P.M., at the MAYFAIR HOTEL, BERKELEY-STREET, W.1. The Dinner Secretary is Mr. Terence Cawthorne.

THE INTENSIVE POST-GRADUATE COURSE will be held on SATURDAY, OCTOBER 23rd, and SUNDAY, OCTOBER 24th.

J. A. DRAKE, M.D., F.R.C.P., D.P.H., Dean.

## The London and Counties Medical
PROTECTION SOCIETY LIMITED.

The Council of the Society proposes to recommend the appointment of a Full-time SECRETARY.

Applicants must be Medical Practitioners of not less than ten years' standing and should have had experience of General Practice.

Age 35 to 50 years.

Commencing salary of £1250 per annum.

A superannuation scheme on a contributory basis will be arranged.

According to the Articles of Association, the appointment is an Annual one and is confirmed each year at the Annual General Meeting of the Society.

Applicants should give full details of their qualifications and experience, including Secretarial work. The names of three references should be given.

Further information can be obtained from the Secretary, to whom applications should be sent by October 2nd, 1937.

No canvassing is allowed.

Victory House, Leicester-square, W.C.2.

## London County Council.
INFECTIOUS HOSPITALS.

Applications invited from Medical Practitioners for appointment as ASSISTANT MEDICAL OFFICERS, Grades 1 and 2, at various hospitals for infectious diseases. Salaries are: Grade 1 £350–£25–£425 a year; Grade 2, £250 a year, both inclusive of board, lodging, and washing. Candidates for Grade 1 positions should have had experience in a resident appointment in a general hospital, and must have had fever experience. Appointment as Assistant Medical Officers, Grade 2, are for one year only in first instance (renewable for a second year under certain conditions), but officers are eligible for promotion to Grade 1 after a minimum period of six months' service.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, S.E.1, returnable by 15th September. Canvassing disqualifies.

## London County Council.
PUBLIC HEALTH DEPARTMENT.

Applications are invited for two vacant positions of Part-time OBSTETRICIAN and GYNÆCOLOGIST. Appointments will be to the hospital service of the Council but in the first instance one of the appointed officers will be allocated to DULWICH and ST. GILES' (Camberwell) Hospitals and the other to ST. MARY, ISLINGTON, ARCHWAY (Highgate) and HIGHGATE Hospitals. Remuneration £800 a year and £600 a year respectively. Each officer will be responsible, subject to the general administrative supervision and control of the medical superintendents, for the whole of the obstetric and gynæcological work at the hospitals to which he is attached (there are no maternity beds at Archway and Highgate Hospitals). Each officer will be required to live within a reasonable distance of these hospitals and to visit them daily and as required (weekly and as required in the case of Archway and Highgate Hospitals).

Application forms containing further particulars (stamped addressed envelope necessary) from the Medical Officer of Health (S.D.6), County Hall, Westminster Bridge, S.E.1. Forms returnable by 24th September. Canvassing disqualifies.

## London County Council.

Applications invited from Medical Practitioners with appropriate qualifications for the appointment of ASSISTANT PATHOLOGIST in the Council's pathological service. Salary £650–£25–£800.

For appointments in the Group Laboratories candidates should have special experience in one or more branches of pathology in relation to the diagnosis and treatment of disease.

For the appointment at the Central Histological Laboratory advanced experience in morbid histology and post-mortem work is essential.

Forms of application and further particulars (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, Westminster Bridge, S.E.1, returnable by 24th September, 1937.

Canvassing disqualifies.

## London Hospital Medical College.

DEMONSTRATOR OF ANATOMY.

Applications are invited for the appointment of Demonstrator of Anatomy. Salary £400 per annum.

Applications, with copies of three testimonials, will be received by the undersigned up to September 30th.

A. E. CLARK-KENNEDY, Dean.

Turner-street, London, E.1.

## The Infants Hospital,

Vincent-square, Westminster.

Applications are invited for the post of PATHOLOGIST. The appointment will be a full-time one. Salary at the rate of £700 per annum.

An Assistant will subsequently be appointed.

Applications, with copies of not more than three testimonials, should reach the undersigned not later than October 8th.

ALFRED J. SMALL, Secretary.

## County Borough of West Ham.

PLAISTOW FEVER HOSPITAL. (210 Beds.)

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) at the Plaistow Fever Hospital.

Salary £300 per annum, together with residence, board and laundry. The appointment is for one year.

Preference will be given to candidates who have held a resident appointment in a General Hospital. Good facilities for post-graduate study are available.

Application forms can be obtained from the Medical Officer of Health, Municipal Health Offices, Romford-road, Stratford, E.15, and should be returned, together with copies of not more than three recent testimonials, to the Town Clerk, Town Hall, West Ham, E.15, not later than September 20th.

## County Council of Middlesex.

THE COUNTY (TUBERCULOSIS) SANATORIUM, CLARE HALL, SOUTH MIMMS, MIDDLESEX.

RESIDENT ASSISTANT MEDICAL OFFICER (MALE).

Applications are invited for the above appointment. Candidates must be registered Medical Practitioners, not over 35 years of age, unmarried, and of British nationality. They must have held resident Hospital appointments. Practical experience in the diagnosis and treatment of Tuberculosis will be an additional qualification.

Salary £400 per annum, rising by annual increments of £25 to £475, with board, lodging and laundry, valued at £100 per annum.

The officer appointed will work under the direction of the Medical Superintendent and devote his whole time to his official duties.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by one month's notice on either side.

The appointment, which does not carry any superannuation rights, is for a period of four years, at the end of which period the officer will leave the Council's service. In a special case the Council may decide to retain an officer on the established staff, in which case the salary will be increased to a maximum of £500.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 25th September. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, Clare Hall B.3."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 2nd September, 1937.

## The Salvation Army, the Mothers'

HOSPITAL, Lower Clapton-road, Clapton, E.5.

Applications are invited from Medical Women for the post of JUNIOR RESIDENT MEDICAL OFFICER—vacant October 1st, 1937. Salary £80 per annum, with board residence, and laundry. The appointment is for six months.

Applications, with testimonials, must be sent to the Secretary on or before Monday, September 20th, 1937.

EDGAR DIBDEN, Secretary.

## Acton Hospital, W.3.

CASUALTY OFFICER (Male, unmarried) required to commence duties October 1st, 1937, for a three months' appointment, with promotion to Resident Medical Officer for a similar period if approved. Salary £150 per annum, with board, residence, and laundry.

Candidates must be fully qualified and registered.

Applications, stating age, nationality and qualifications, should be sent, with copies of three testimonials, to the Secretary, and should arrive not later than first post Monday, September 20th.

DONALD C. D. SWORD, Secretary.

Acton Hospital, Gunnersbury-lane, Acton, W.3.

## Borough of Willesden.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer at the Willesden Municipal (Fever) Hospital. The salary will be at the rate of £250 per annum, with board, lodging, and laundry, and the appointment is for a period of twelve months. The Hospital admits all the notifiable diseases.

Applications, stating age, qualifications, and previous experience, with copies of three recent testimonials, to be sent to the Medical Superintendent, Willesden Municipal Hospital, Brentfield-road, Neasden, N.W.10.

E. A. PRATT, Town Clerk.

6th September, 1937.

## The Royal Waterloo Hospital for

CHILDREN and WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY AND ORTHOPÆDIC HOUSE SURGEON.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty and Orthopædic House Surgeon to work in the Out-patient Department with care of Orthopædic beds; vacant on the 1st October, 1937, at £150 per annum. Candidates for this post should have held a previous appointment. The appointment is in the first instance for a period of six months.

Applications, with copies of testimonials, should be forwarded not later than the 23rd September to the Secretary at the Hospital, from whom further particulars can be obtained.

## The London Lock Hospital,

283, Harrow-road, W.9.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (either sex) to the FEMALE DEPARTMENTS. Candidates must be doubly qualified and duly registered. The appointment is for six months, commencing 13th October. Salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous Obstetric experience.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the undersigned by first post on Thursday, 30th September, and from whom a copy of the Bye-Laws relating to the appointment, or any further particulars, can be obtained.

1st September, 1937. J. F. MORTON, Secretary.

## St. John's Hospital, Lewisham, S.E.13.

Applications are invited for the post of MEDICAL REGISTRAR (Male) to attend the Out-patient Department on two half-days a week, namely, Monday afternoons and Thursday mornings. Honorarium of 50 guineas will be paid.

Applications, with copies of testimonials, should be received by the undersigned, who will be pleased to give further information.

J. C. GILBERT, Secretary-Superintendent.

## St. John's Hospital, Lewisham, S.E.13.

Applications are invited from registered Medical Practitioners to fill the office of CLINICAL ASSISTANT to the Medical Officer in charge of the Electrical and Massage Department. The successful applicant will be required to attend the hospital on three half-days a week at an honorarium of 50 guineas per annum.

Applications should be received by the undersigned, who will be pleased to give further particulars.

J. C. GILBERT, Secretary-Superintendent.

## National Hospital for Diseases of the

HEART, Westmoreland-street, Marylebone, W.1.

OUT-PATIENT MEDICAL OFFICER.

Applications are invited for the post of Out-patient Medical Officer (non-resident, Male). The appointment is for a period of six months from 1st November, but may be renewed for a further period not exceeding six months. Salary at the rate of £125 per annum.

Candidates, who must be duly registered Medical Practitioners, will not be expected to call on the Honorary Medical Staff, but should send their applications, with copies of three recent testimonials, to me at the Hospital not later than Monday, 4th October.

The Out-patient Medical Officer will be required to assist the Honorary Medical Staff on five afternoons weekly, or four afternoons and one morning, as may be arranged.

ROBERT G. E. WHITNEY, Secretary.

## National Hospital for Diseases of the

HEART, Westmoreland-street, Marylebone, W.1.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male). The appointment is for a period of six months from 1st November, but may be renewed for a further period not exceeding six months. Salary at the rate of £150 per annum, with board, residence, and washing.

Candidates, who must be duly registered Medical Practitioners, will not be expected to call on the Honorary Medical Staff, but should send their applications, with copies of three recent testimonials, to me at the Hospital not later than Monday, 4th October.

ROBERT G. E. WHITNEY, Secretary.

## Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL),
City-road, London, E.C.1.

Applications are invited for the post of SENIOR RESIDENT OFFICER. Candidates must be registered Medical Practitioners and must be prepared to begin duties on the 1st November, 1937.

Salary at the rate of £150 per annum, with board and residence in the Hospital. Additional income will accrue to this post, the care of Private Patients being included in the duties.

In the event of the First House Surgeon being appointed, other candidates are requested to state whether they would accept the office of First House Surgeon at the rate of £150 per annum, Second House Surgeon at the rate of £125 per annum, or Third House Surgeon at the rate of £100 per annum.

The appointments are for a period of six months.

Applications, with testimonials, stating age and qualifications, must be received not later than the 30th September, 1937, by

A. J. M. TARRANT, Secretary.

## Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL),
City-road, London, E.C.1.

REFRACTION ASSISTANT, L.C.C. SCHOOL DEPARTMENT.

Applications are invited for the post of Refraction Assistant to the L.C.C. School Department, to attend on Wednesdays and Fridays at 1.30 P.M.

Candidates must be registered Medical Practitioners. Salary will be at the rate of £160 per annum.

The Refraction Assistant will be appointed for a period of one year and will be eligible for re-appointment.

Copy of Regulations governing the appointment can be obtained on application.

Applications, with testimonials, stating age and qualifications, must be received not later than the 2nd October, 1937.

A. J. M. TARRANT, Secretary.

## Borough of Ealing.

DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Men with a Public Health qualification for the position of Deputy Medical Officer of Health.

Candidates will be required to carry out medical inspection of school-children and child welfare work and such other work as may be assigned by the Medical Officer of Health.

The person appointed will be required to devote his whole time to the duties, and will not be allowed to engage in private practice. Salary will be at the rate of £750 per annum, rising to £900 by £25 per annum.

A deduction of 5 per cent. will be made from the salary in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, which has been adopted by the Council, and the appointment will be subject to passing the Council's medical examination in connexion therewith. Canvassing will be a disqualification.

Copies of the application form and terms of appointment can be obtained from Dr. Thomas Orr, Medical Officer of Health, Town Hall, Ealing, W.5, to whom applications, accompanied by copies of not more than three recent testimonials, must be delivered not later than the 30th September.

R. H. WANKLYN, Town Clerk.

Town Hall, Ealing, W.5.

## Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL),
City-road, London, E.C.1.

Applications are invited for the post of OUT-PATIENT OFFICER to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary will be at the rate of £100 per annum.

The Out-Patient Officer will be appointed for a period of one year and will be eligible for re-appointment. Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 30th September, 1937.

A. J. M. TARRANT, Secretary.

## Lancashire County Council.

JUNIOR ASSISTANT MEDICAL OFFICER,
Wrightington Hospital, Appley Bridge.

Applications are invited for the post of Junior Assistant Medical Officer (Male, unmarried) for the Wrightington Hospital, which contains 206 beds for non-pulmonary tuberculosis (adults and children) and 20 beds for "combined" pulmonary and non-pulmonary cases. Salary £200 per annum, together with board, residence, and laundry.

The appointment will commence on 1st October or thereabouts and will be for twelve months.

The medical staff consists of medical superintendent, two assistants, two consultant orthopædic surgeons and other visiting surgeons. There are excellent facilities for reading for M.D.

Forms of application and conditions of appointment obtainable from Central Tuberculosis Officer, County Offices, Preston. Letters to be marked "Wrightington M.O."

Closing date 17th September, 1937.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston.

## King George Hospital, Ilford (near London.) (207 Beds.)

RESIDENT ANÆSTHETIST and HOUSE PHYSICIAN (Male) required for six months from the 1st October with eligibility for re-appointment. Previous experience desirable. Salary at the rate of £150 per annum, with board and lodging.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than Wednesday, 22nd September.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

## County Borough of Brighton.

BRIGHTON MUNICIPAL HOSPITAL.

THIRD RESIDENT ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above post at the Brighton Municipal Hospital, which is a General Hospital containing 620 beds.

Salary £300 per annum, with board, residence, and laundry provided.

The appointment is a whole-time one and will be for a period of one year.

Candidates must have held a house physician's appointment at a recognised hospital and preference will be given to those who, in addition, have had practical experience of anæsthetics and maternity work. The candidate must be single.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Particulars and forms of application can be had from the undersigned.

Latest date for receipt of applications 27th September, 1937.

JAS. H. ROTHWELL, Town Clerk.

September, 1937.

## Royal Albert Edward Infirmary

AND DISPENSARY, WIGAN. (180 Beds.)

Wanted for twelve months, commencing October 1st, 1937, RESIDENT MEDICAL AND SURGICAL OFFICER AND REGISTRAR. Candidates must have held previous resident appointments at a Hospital. Preference will be given to those possessing the F.R.C.S. or M.S. Degree. The salary is at the rate of £250 per annum, with board, residence, and laundry.

Applications, giving proof of registration and not more than three testimonials, to be sent to the undersigned as soon as possible.

A. STANLEY BRUNT,
General Superintendent and Secretary.

12th August, 1937.

## Swansea General and Eye Hospital.

Applications are invited for the post of LOCUM HOUSE SURGEON to the E.N.T. and Ophthalmic Departments for a period of six to eight weeks commencing 14th September. Salary £5 5s. per week, with board, residence, and laundry.

Applications, stating age, qualifications, experience, and nationality, to be forwarded to the Secretary-Superintendent.

## East Suffolk and Ipswich

HOSPITAL.
(350 Beds. 8 Residents.)

Wanted, 15th September, HOUSE SURGEON (Male—British) to the Ear, Nose, and Throat Surgeon and to an Assistant General Surgeon. Salary at the rate of £144 per annum, with board, apartments, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, to be sent to the undersigned immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 28th August, 1937.

## Beckett Hospital and Dispensary,

BARNSLEY. (153 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male), vacant 7th October. Fellowship Degree of the Royal College of Surgeons England, Edinburgh, or Dublin, will be deemed a recommendation.

Salary £300 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications and experience, with copies of testimonials, should be addressed to the undersigned immediately.

ARTHUR L. BOURNE, Secretary-Superintendent.

7th Sept., 1937.

## Crichton Royal, Dumfries.

HOUSE PHYSICIAN (Male or Female) required for the above Mental Hospital. Salary £200 per annum. Yearly appointment. Excellent opportunities for Post-graduate work. The Hospital provides facilities for treatment in all its aspects and is equipped with up-to-date laboratories.

Applications, together with copies of three recent testimonials, to be forwarded to the Physician Superintendent, Crichton Royal, Dumfries.

## Victoria Hospital, Burnley.
(150 Beds.)

HOUSE SURGEON (Male).

Applications are invited for the above post, which will become vacant on the 30th September next. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period, reappointment may be applied for, and, if confirmed, the salary for the second six months will be at the rate of £200 per annum.

Applications, with full details of qualifications and experience and stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

## Royal South Hants and Southampton
HOSPITAL. (280 Beds.)

Applications are invited for the post of RESIDENT ANÆSTHETIST AND HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT. Commencing immediately until December 31st, 1937, at a salary of £150 per annum, with board, lodging, and laundry. Candidates must be Male and unmarried.

Applications, accompanied by not more than three recent testimonials, should be sent to the undersigned at once.

HY. TRUSSON, House Governor and Secretary.

## St. Mary's Hospitals, Manchester.

Two HOUSE SURGEONS for the WHITWORTH ST. WEST HOSPITAL (Maternity), and one for the WHITWORTH PARK HOSPITAL (Gynæcological Department), each for a period of six months from the 1st November next. Salaries at the rate of £50 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned on or before the 16th instant.

R. RATCLIFFE, Secretary.

## City of Birmingham.
PUBLIC ASSISTANCE COMMITTEE.

ERDINGTON HOUSE.

ASSISTANT RESIDENT MEDICAL OFFICER.

The Public Assistance Committee invite applications from fully qualified Medical Practitioners for appointment as Assistant Resident Medical Officer at Erdington House.

The Institution, which is approved for the purposes of the D.P.M., has accommodation for upwards of 1800 inmates, and is set apart for the reception of all classes of mental and nervous disorder. The admission rate is 1500 per annum. Parts of the Institution are certified under the provisions of the Mental Deficiency Acts, 1913–1927. There are facilities for research on the pathological and biological side, and the appointment gives opportunities for post-graduate study.

The Officer appointed will be required to assist in the general medical work of the Institution under the supervision of the Senior Medical Officers.

Four weeks' leave of absence will be granted to the successful candidate during the term of office.

The appointment will be for a period of twelve months and the salary attached to the appointment will be at the rate of £300 per annum, together with full residential emoluments (rations, apartments, laundry, and attendance).

The appointment will be subject to one month's notice on either side.

Any further particulars as to the Institution and/or duties may be obtained upon application to the Medical Officer of the Institution, Dr. H. T. Kirkland, to whom applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, should be forwarded so as to reach him not later than 10 A.M. on Thursday, September 16th, 1937.

Canvassing in any form, oral or written, direct or indirect, will be regarded as a disqualification.

F. H. C. WILTSHIRE, Town Clerk, Council House,
26th August, 1937. Birmingham, 1.

## City of Birmingham.
PUBLIC HEALTH DEPARTMENT.

LITTLE BROMWICH HOSPITAL FOR INFECTIOUS DISEASES.

JUNIOR RESIDENT MEDICAL OFFICERS.

Two Junior Resident Medical Officers (one Male and one Female) required. Candidates must be unmarried and must have held previous resident posts in General or Children's Hospitals.

Salary at the rate of £300 per annum, together with board, &c., valued at £150 per annum. These appointments are limited to twelve months.

The officers appointed will be required to pay to the Council all fees, allowances, and emoluments (other than the foregoing) received by them.

It is not feasible to attend classes for the D.P.H. in conjunction with these appointments.

Forms of application may be obtained from the Medical Superintendent, Dr. J. McGarrity, Little Bromwich Hospital, Birmingham, 9, and should be returned to him on or before the 18th September. F. H. C. WILTSHIRE, Town Clerk,
The Council House, Birmingham.

## The Buchanan Hospital,
ST. LEONARDS-ON-SEA. (103 Beds.)

HOUSE SURGEON (Female) required to commence duties 1st October, 1937. Salary from £125 per annum according to experience.

Candidates must be duly registered Medical Practitioners, and applications, which should include three copies of recent testimonials, should be sent to the undersigned immediately.

FRANK HART, Secretary.

## King Edward Memorial Hospital,
EALING.
(131 Beds.)

Applications are invited for the posts of:

RESIDENT MEDICAL OFFICER (Male). Six months' appointment with possibility of re-election for a further period. Salary £275 per annum, with usual residential emoluments. Applicants must have had good experience (at least two years) in House appointments.

CASUALTY HOUSE SURGEON (Male) (with which is combined the duty of deputising for the House Physician). Six months' appointment with possibility of re-election for a further period. Salary £150 per annum with usual residential emoluments.

Applications, stating age, experience, and qualifications, and accompanied by copies of two recent testimonials, to be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## Royal Surrey County Hospital,
GUILDFORD.
(216 Beds.)

Wanted 1st October, 1937, HOUSE SURGEON (Male).

Six months' appointment; recognised for F.R.C.S. Duties, General Surgery and Ophthalmic. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than 13th September, 1937.

## The King Edward VII Welsh National
MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners for the posts of ASSISTANT RESIDENT MEDICAL OFFICER (Male, single—one year appointment) at the following institutions:—

(a) NORTH WALES SANATORIUM (247 beds for female pulmonary and male, female, and children non-pulmonary cases), DENBIGH, NORTH WALES.

(b) GLAN ELY HOSPITAL (196 beds for pulmonary and surgical tuberculosis in men, women, and children), FAIRWATER, near CARDIFF.

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, September 15th, 1937.

D. A. POWELL, Principal Medical Officer.
Memorial Offices, Westgate-street, Cardiff,
August 30th, 1937.

## University of Aberdeen.

CROMBIE-ROSS LECTURESHIP IN PSYCHO-PATHOLOGY.

The University Court will shortly proceed to the appointment of the first Crombie-Ross Lecturer in Psycho-Pathology.

The appointment is a part-time one.

The salary proposed is £650.

Persons who desire to be considered for the office are requested to lodge their names with the Secretary to the University by the 15th of September, 1937.

The conditions of appointment may be obtained from the undersigned.

H. J. BUTCHART, Secretary to the University of Aberdeen.
The University, Aberdeen.

## The Chester Royal Infirmary.
(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male), to take up duty 1st October, 1937.

Salary £150 per annum, with board, lodging, and laundry.

The appointment is approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations.

Application list closes 15th September, 1937.

Application forms may be obtained from—
W. H. GRACE, M.D., M.R.C.P., Hon. Sec. Medical Committee

## New Kent and Canterbury Hospital,
CANTERBURY.
(181 Beds. Four Resident Medical Officers.)

Applications are invited for the post of HOUSE SURGEON (Male) to the Special Departments, Ear, Nose, and Throat, Ophthalmic, and Genito-Urinary.

Appointment is for six months, and duties will commence as soon as possible after 6th September.

Salary £125 per annum, with board, residence, and laundry.

Applications, together with copies of recent testimonials, should be forwarded immediately to the undersigned.

S. I. WARD, Secretary.

## County Borough of Merthyr Tydfil.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from Medical Women (unmarried or widowed), under the age of forty, for the above post. The person appointed must be a registered Medical Practitioner, and registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health, or State Medicine. Preference will be given to a candidate who:

(1) Has had at least three years' experience in the practice of her profession;
(2) Has held the appointment of Resident Medical Officer in a Maternity Department for a period of not less than six months;
(3) Has had not less than one year's continuous experience in some branch of obstetric work.

The duties will include School Medical Inspection, Supervision of Midwives, Attendance at Antenatal and Infant Welfare Centres, and other Public Health duties as may from time to time be prescribed. The duties of the respective offices will be carried out under the general direction of the Medical Officer of Health.

The commencing salary will be at the rate of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum.

Applications, together with copies of three recent testimonials, must reach the undersigned on or before the 16th of September, 1937.

T. H. STEPHENS,
Medical Officer of Health, Town Hall, Merthyr Tydfil.
30th August, 1937.

## City and County of Newcastle-upon-TYNE.

NEWCASTLE GENERAL HOSPITAL. (800 Beds.)

ONE SURGICAL REGISTRAR (Part Time).

Applications are invited from duly qualified and registered Medical Practitioners for the above post. The salary in respect of the appointment is £250 per annum.

Further particulars may be obtained from the Medical Officer of Health, Health Department, Town Hall, Newcastle-upon-Tyne, 1, to whom applications, accompanied by not more than three recent testimonials, should be delivered on or before 18th September, 1937.

27th August, 1937.

## Pembroke County War Memorial HOSPITAL

HAVERFORDWEST, PEMBROKESHIRE.
(64 Beds to be increased to 100 Beds.)

RESIDENT HOUSE SURGEON.

Applications are invited for the post of Resident House Surgeon (Male, unmarried), from duly qualified registered Medical Practitioners, with previous resident experience, to commence on 1st October, 1937. Salary £200 per annum, with residence (private bungalow), board, and laundry.

Applications, stating age and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned at the above address not later than first post Monday, 13th September, 1937.

F. W. BARNETT, House Governor and Secretary.

## Warrington Infirmary and Dispensary.

The post of THIRD RESIDENT will fall vacant on 1st October, 1937, and applications are invited from Male candidates who must be duly qualified Medical Practitioners and unmarried. Salary at the rate of £150 per annum, with board, lodging, and laundry.

At the expiration of six months' term of office and subject to the recommendation of the Medical Board the Third Resident is appointed Second Resident (salary £175 per annum) and then Senior Resident (salary £250 per annum) for similar periods. Candidates should therefore be prepared, if successful, to remain at the Hospital for eighteen months in all.

Applications, stating age and qualifications, accompanied by copies of three recent testimonials should be sent in not later than first post on Tuesday, 14th September.

Chosen candidates will be interviewed on Friday, 17th September.

By Order, HENRY L. BOOT, Superintendent and Secretary.
1st September, 1937.

## Bradford Children's Hospital.

HOUSE PHYSICIAN (Lady) required October 1st. Fully qualified. Salary £150, with board, residence, and laundry.

Applications, with recent testimonials and stating age, not later than September 15th, to:

J. W. LONGLEY, Secretary-Superintendent.

## Nottingham General Hospital.

(386 Beds.)

A HOUSE PHYSICIAN (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned. Duties to commence on or about October 24th.

PETER M. MACCOLL, House Governor and Secretary.

## Worcestershire County Council.

ASSISTANT TUBERCULOSIS OFFICER (Male).

The above-mentioned Council are about to appoint a whole-time Assistant Tuberculosis Officer and applications are now invited for this post.

Applicants must be registered Medical Practitioners between the ages of twenty-five and forty-five years. Special experience and qualifications in Tuberculosis will be necessary, as work under the County Tuberculosis Scheme will form the chief part of the Officer's duties. He should have (1) at least three years' experience in the practice of his profession, (2) spent in general clinical work a period of not less than eighteen months, of which not less than six months have been spent in a hospital as resident officer in charge of beds occupied by general medical or surgical cases, and (3) received special training, for a period of not less than six months, in the diagnosis and treatment of Tuberculosis and in Artificial Pneumothorax Treatment. A Diploma in Public Health is desirable. The officer who is appointed will work under the supervision of the Chief Tuberculosis Officer.

The person appointed will be required to reside in the southern half of the County.

The salary will be £600, rising by £25 per annum to £700, with an allowance of £140 per annum for use of his own motor car. The engagement will be subject to three months' notice on either side. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and a medical examination will have to be passed by the successful candidate.

Applications (on forms to be obtained from the County Medical Officer, County Buildings, Worcester), accompanied by not more than three recent testimonials, must be received by 15th day of September, 1937, addressed to the County Medical Officer, County Buildings, Worcester.

Canvassing disqualifies, and neither the names of the member of the County Council nor of the Committee will be supplied.

(Signed) C. H. BIRD, Clerk of the County Council.
Shirehall, Worcester [J. 134], 21st August, 1937.

## King George's Sanatorium for SAILORS, LIPHOOK, HANTS

(Seamen's Hospital Society) for the Treatment of Pulmonary and Non-Pulmonary Tuberculosis.—ASSISTANT MEDICAL OFFICER (single, male or female) required as from the 15th October for six months. Salary at the rate of £200 per annum in the first instance.

Applications, with copies of not less than three testimonials, to be sent in on or before the 24th September to undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.
Greenwich, 27th August, 1937.

## Southend-on-Sea General Hospital.

235 Beds. 7 Residents.
Hon. Specialist Staff of 19 Members.

Applications are invited for the post of—
HOUSE PHYSICIAN.

Duties to commence on 1st October, 1937. The appointment is for six months, salary at the rate of £100 per annum, with board, &c., provided. Candidates must be registered (Male) Practitioners.

Applications, together with copies of two recent testimonials, should be sent to the undersigned not later than 16th September.

P. H. CONSTABLE, Secretary.

## Wrexham and East Denbighshire WAR MEMORIAL HOSPITAL.

(124 Beds.)

RESIDENT HOUSE SURGEON, Male or Female, required for Special Departments (Aural, Ophthalmic, and Casualty), to commence duty on October 1st. Appointment is for six months. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent to the undersigned, together with copies of three recent testimonials, immediately.

August 30th, 1937. LESLIE SPENCER, Secretary.

## County Borough of Middlesbrough.

HEALTH DEPARTMENT.

HOLGATE MUNICIPAL HOSPITAL.

Applications are invited from registered Male Medical Practitioners (unmarried) for the post of ASSISTANT RESIDENT MEDICAL OFFICER at the Holgate Municipal Hospital, at a salary of £270 per annum, together with board, residence, and laundry.

The appointment will be for one year. In addition to hospital duties, the successful candidate will be required to undertake relief or holiday duty work of other whole-time members of the Corporation's medical staff as required.

The Municipal Hospital contains 329 beds and is a training school for nurses and affords excellent facilities for post-graduate work and experience.

Application, stating age and experience, together with copies of three testimonials, to be sent to the Medical Officer of Health, Municipal Buildings, Middlesbrough, not later than 15th September, 1937.

PRESTON KITCHEN, Town Clerk.
Municipal Buildings, Middlesbrough,
August 30th, 1937.

## General Infirmary, Salisbury.

(Voluntary Hospital.)
(191 Beds, now in course of extension to 225 Beds.)

HOUSE SURGEON (Male) required to commence duty at the end of September.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

## Royal Buckinghamshire Hospital,

AYLESBURY.
(In course of extension to 120 Beds.)

Applications are invited for the following posts:—

(i) SENIOR RESIDENT MEDICAL OFFICER, salary £200 per annum;

(ii) JUNIOR RESIDENT MEDICAL OFFICER, salary £150 per annum.

Board, residence, and laundry provided.

Candidates must be fully qualified and registered. Previous experience in Hospital appointment desirable, as well as in administration of Anæsthetics.

Senior appointment vacant 1st October, and junior appointment vacant about 30th October, each for six months and renewable.

Junior eligible to fill senior post when vacant.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned by September 20th.

F. G. DAWES, Secretary.

## Doncaster Royal Infirmary.

(185 Beds.)

HOUSE PHYSICIAN (Male) required immediately. Six House Surgeons are resident. Salary at the rate of £175 per annum, with residence, board, and laundry.

This large industrial area offers excellent opportunities for gaining experience.

Applications, accompanied by not more than three testimonials, to be sent to the undersigned immediately.

R. LANCASTER, Secretary-Superintendent.

## The Christie Hospital and Holt Radium

INSTITUTE, WITHINGTON, MANCHESTER, 20.

Applications are invited for the post of RESIDENT MEDICAL OFFICER to the above Hospital and Institute for duty with the Radiotherapy Department. Appointment is for six months in the first instance, but is renewable. Salary at the rate of £150 per annum, plus residence (private suite), board, &c.

The appointment offers an excellent opportunity of obtaining experience in Radium and X-Ray Therapy. Candidates must have had previous Medical and Surgical experience.

Applications, stating age, qualifications, and previous experience, to be submitted immediately to the undersigned.

PERCY N. GLASS, Superintendent.

## Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS. (155 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary is at the rate of £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated Hospitals and Out-patient Clinics, and commence on 1st November, 1937. The appointment will be for six months and may be renewed for a further six months.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary not later than 22nd September, 1937.

## The Children's Hospital,

King Edward VII Memorial,
BIRMINGHAM, 16.

RESIDENT MEDICAL OFFICER.
ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited for the above posts. Candidates for the post of Resident Medical Officer must be qualified and registered and have held a responsible Resident appointment at a teaching hospital. The salary is at the rate of £175 per annum, with board, residence, and laundry. The appointment is tenable for one year, as from 1st December, 1937, and the officer is eligible for re-election for a second year.

Candidates for the post of Assistant Resident Medical Officer must be registered and qualified, and have had previous experience in the diseases of children. The duties may include assistance in the Pathological Department. The salary is at the rate of £125 per annum, with board, residence, and laundry, and the appointment is tenable for one year as from 1st November, 1937.

Candidates should forward their applications, with Certificate of Registration, and any credentials which they may desire to offer, to the undersigned, on or before 2nd October, 1937.

HAROLD F. SHRIMPTON, House Governor.

September, 1937.

## The Royal Infirmary of Edinburgh.

Applications are invited for appointment as CLINICAL ASSISTANT (Non-resident) in the Ear, Nose, and Throat, Department, which will shortly become vacant. Candidates must be duly qualified and registered.

A salary at the rate of £100 per annum is attached to the post for candidates with suitable experience, and which affords valuable experience for graduates wishing to take the Fellowship of the Royal College of Surgeons of Edinburgh with Diseases of the Ear, Nose, and Throat as their special subject.

Applications should be addressed to the undersigned at the Royal Infirmary.

HENRY MAW, Secretary and Treasurer.

## Cardiff Royal Infirmary.

(Associated with the Welsh National School of Medicine.)

HONORARY ASSISTANT OPHTHALMIC SURGEON REQUIRED.

Applications are invited for the vacancy arising in the Office of Honorary Assistant Ophthalmic Surgeon.

A candidate for the office must be "a Doctor of Medicine or Master of Surgery in one of the Universities of the United Kingdom, or a Fellow of one of the Royal Colleges of Surgeons in the United Kingdom, or a Fellow or Member of the Royal College of Physicians of London or a Fellow of one of the other Royal Colleges of Physicians in the United Kingdom, and he shall confine himself in his practice to his specialty."

Each candidate is required to send Fifty copies of his application and testimonials (for circulation amongst the Members of the Election Committee and Medical Board), stating age, qualifications, appointments held, &c., and endorsed "Honorary Assistant Ophthalmic Surgeon," to reach the undersigned on or before 12 noon on Tuesday, 21st September, 1937.

LEONARD D. REA, Secretary.

September 3rd, 1937.

## Warneford General Hospital.

(164 Beds.)
LEAMINGTON SPA.

Required, a HOUSE PHYSICIAN. Also a HOUSE SURGEON. The appointments are for six months each. Salary £150 per annum, with board and laundry. The Hospital is recognised by the Royal College of Surgeons of England under paragraphs 21 and 23 of the Fellowship Regulations.

Applications from qualified Registered Medical Practitioners (single men only) should be sent with copies of three recent testimonials to the undersigned on or before 20th September, 1937.

EDWARD L. WIRGMAN, House Governor and Secretary.

## Preston and County of Lancaster

ROYAL INFIRMARY.
(General Hospital. 405 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male or Female) to the Eye, Ear, Nose, and Throat Department (Special Wards and Clinics).

Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded as soon as possible to Mr. JOHN GIBSON, Superintendent and Secretary, Royal Infirmary, Preston.

26th August, 1937.

## Royal Surrey County Hospital,

GUILDFORD.
(216 Beds.)

Wanted, 1st October, 1937,
HOUSE PHYSICIAN (Male).

Six months' appointment: duties, House Physician and Part-time Casualty Officer. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than 21st September, 1937.

## Hove General Hospital, Hove.

(50 Beds.)

Applications are invited for the appointment (vacant October 1st) of SENIOR RESIDENT MEDICAL OFFICER (Male). Salary £150 per annum, with board, apartments, and laundry. The appointment offers excellent opportunities for surgical experience.

Applications, stating age and qualifications, together with three recent testimonials, to be forwarded to the undersigned as soon as possible.

K. C. BOOKER, Secretary-Superintendent.

## Hove General Hospital, Hove.

(50 Beds.)

Applications are invited for the appointment immediately of JUNIOR RESIDENT MEDICAL OFFICER (Male). Salary £120 per annum with board, apartments, and laundry. The successful applicant will be eligible to apply for the senior post advertised above.

Applications, stating age and qualifications, together with three recent testimonials, to be forwarded to the undersigned as soon as possible.

K. C. BOOKER, Secretary-Superintendent.

## Glasgow Corporation Mental Hospitals

SERVICE.—JUNIOR ASSISTANT PHYSICIAN wanted for HAWKHEAD MENTAL HOSPITAL. Salary commencing £325, with board, apartments and laundry. The Hospital is in outskirts of Glasgow and offers excellent facilities for research work.—Apply to Medical Superintendent, Hawkhead Mental Hospital, 510, Crookston-road, Glasgow, S.W.2.

## Birmingham Maternity Hospital.

HOUSE SURGEON (Man or Woman) wanted for six months from 1st November, 1937 (3 months on District and 3 months in Hospital). Salary to be at the rate of £75 per annum.

Applications, with full particulars and copies of testimonials, to be sent not later than 27th September to HUGH C. ASTON, 45, Newhall-street, Birmingham 3.

## Clayton Hospital, Wakefield.

There is a vacancy for one HOUSE SURGEON (Male, British) from September 22nd for six months (renewable). Salary £200 per annum, plus board and laundry.

Applications, with copies of two testimonials, to be sent to the undersigned immediately.

T. F. W. MACKEOWN, Secretary.

## North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.
(390 Beds.)

HOUSE SURGEON (ORTHOPÆDIC).

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

The appointment will be made for six months, renewable.

Previous hospital surgical experience essential, and orthopædic experience desirable.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By order.
W. STEVENSON, Secretary and House Governor.

30th August, 1937.

## North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.
(390 Beds.)

HOUSE SURGEON (GENERAL).

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

The appointment will be made for six months, renewable.

Previous hospital surgical experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By order.
W. STEVENSON, Secretary and House Governor.

30th August, 1937.

## New Sussex Hospital for Women,

Windlesham-road, BRIGHTON.

Applications are invited from qualified Medical Women for the post of HONORARY MEDICAL REGISTRAR; also for the post of CLINICAL ASSISTANT in the Eye Department.

Applications, together with copies of three recent testimonials, to be sent on or before September 25th to—

Mr. PERCY F. SPOONER, Secretary.

6th September, 1937.

## The Dewsbury and District General

INFIRMARY, DEWSBURY.

The Post is a recognised one by the Royal College of Surgeons (England).

Applications are invited for the post of SENIOR HOUSE SURGEON (Male). Salary £200 per annum, with board, residence and laundry.

The Infirmary is a new Voluntary Hospital of 100 Beds, and has the usual Special Departments, with Visiting Consulting Specialists in attendance.

Applications, stating age and hospital experience, together with copies of recent testimonials, to be sent as immediately as possible to my office.

FRED SMITH, Secretary-Superintendent.

## Kent County Ophthalmic and Aural

HOSPITAL, MAIDSTONE.
(109 Beds.)

Applications are invited for the posts of SENIOR and JUNIOR OPHTHALMIC HOUSE SURGEONS, which become vacant on the 1st October next. Each appointment is for six months. Candidates must be duly qualified and registered medical practitioners, single, and of British birth and nationality, and should have experience of refractions. Salary at the rate of £250 and £200 per annum respectively, with board, residence, and laundry. The Hospital is recognised by the Examining Board for the D.O.M.S.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned.

JOHN W. STRICKLAND, Secretary.



## Manchester Hospital for Consumption

AND DISEASES OF THE THROAT AND CHEST.

Wanted, an ASSISTANT MEDICAL OFFICER (Male) for the Crossley Sanatorium, Delamere Forest, Cheshire (110 Beds). Salary £200 per annum, with board, apartments, and laundry. Candidates must be registered.

Applications, stating age with copies of testimonials, to be sent not later than September 21st to W. HUNT, Secretary, Hardman-street, Manchester 3.

## The Guest Hospital, Dudley.

(General Hospital—107 Beds—shortly to be increased to 160 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

Two HOUSE SURGEONS (Male) required. One to enter upon his duties on October 1st and the other to commence on November 2nd. Salary at the rate of £100–£130, according to experience, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered. Duties include Medical, Surgical, Ear, Nose, and Throat, Ophthalmic, Orthopædic, Gynæcological work, &c.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

3rd September, 1937.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT ANÆSTHETIST and EMERGENCY OFFICER (Male). The appointment will be for three months. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates, who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four recent testimonials, to the undersigned on or before Monday, September 13th, 1937.

J. A. BEARDSALL, Secretary-Superintendent.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE PHYSICIAN. The appointment will be for six months from 1st October, 1937, but is terminable at an earlier date by one month's written notice on either side. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Tuesday, 21st September, 1937.

J. A. BEARDSALL, Secretary-Superintendent.

## City and County of Bristol.

SOUTHMEAD MUNICIPAL GENERAL HOSPITAL.

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited for the above appointment which is tenable for six months at a salary of £200 per annum.

Applications, accompanied by three recent testimonials, to be sent to the Medical Officer of Health, 40, Prince-street, Bristol, 1, not later than 18th September, 1937.

## Warneford General Hospital,

LEAMINGTON SPA.

CASUALTY OFFICER and JUNIOR HOUSE SURGEON (combined post) required. Duties to commence at once. Six months appointment, renewable. Salary £150 per annum, with board, residence, and laundry.

Candidates must be qualified, registered under the Medical Acts, and unmarried.

Applications, with copies of recent testimonials, should be sent to the undersigned.

EDWARD L. WIRGMAN, House Governor and Secretary.

## Palmerston North Hospital,

NEW ZEALAND.

RESIDENT MEDICAL OFFICER AND REGISTRAR.

Applications are invited for the post of Resident Medical Officer and Registrar at the above Hospital.

Salary £450 per annum.

Applicants should be single. The appointee will be required to live in. The duties of the position, apart from the medical registry work, include supervision of medical wards and supervision of out-patients.

Further details may be obtained from the Office of the High Commissioner for New Zealand, New Zealand Government Offices, 415, Strand, London, W.C.2.

Applications to furnish a detailed statement as to age, qualifications, and experience and to be accompanied by copies only of testimonials, close with the undersigned on the 30th October, 1937.

A. J. PHILLIPPS, Managing Secretary.

## Great Yarmouth General Hospital.
(72 Beds.)

Applications are invited for the post of HOUSE SURGEON (one of two appointments). Duties to commence immediately.

Applicant must be Male and unmarried.

Salary at the rate of £140 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned. FREDK. L. GATFIELD, Secretary.

## County Borough of Smethwick.

SENIOR ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

The Council invite application from qualified Medical Men for the combined post of Senior Assistant Medical Officer of Health and Assistant School Medical Officer. The officer will rank next in seniority to the Deputy Medical Officer of Health.

The salary will be at the rate of £650 per annum, rising by £25 per annum to a maximum of £800 per annum. The officer will be required to reside at the Isolation Hospital and a deduction of £150 per annum will be made in respect of board, residence, and laundry.

The officer appointed will work under the general supervision and control of the Medical Officer of Health and School Medical Officer, and will be required to render assistance in the general work of the department. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the selected candidate will be required to pass a medical examination.

Forms of application may be obtained from the Medical Officer of Health, Public Health Department, Hales Lane, Smethwick, to whom application endorsed "Senior Assistant Medical Officer of Health and School Medical Officer," and accompanied by copies of three recent testimonials, must be delivered not later than first post on 25th September, 1937.

Canvassing directly or indirectly will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 6th September, 1937.

## Hull Corporation Health Department.

ASSISTANT MEDICAL OFFICER OF HEALTH
For Port Sanitary Work.

Applications are invited from duly qualified Medical Men, under the age of forty years, and of not less than three years' standing in their profession, for the appointment of an Assistant Medical Officer of Health at a salary of £600 per annum, rising by annual increments of £25 to £700 per annum.

Candidates must hold a registered degree or diploma in State Medicine or Public Health.

The person appointed will be engaged primarily on routine Port Sanitary Work, Medical Inspection of Aliens, Bacteriological Work, and the Control of Infectious Diseases, but may be called upon to do work in any other department of the Public Health Services, in accordance with the Corporation's scheme for the interchange of medical staff.

Experience in Port Sanitary Work and Infectious Diseases will be considered important qualifications for the appointment.

The appointment may be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Applications, on forms to be obtained from the undersigned, with copies of not more than three recent testimonials, are returnable not later than noon on Thursday, September 23rd, 1937.

NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department, Guildhall, Hull, September, 1937.

## Hounslow Hospital, Hounslow,
MIDDLESEX.

APPOINTMENT OF RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male) for R.M.O. Salary £250 per annum, with full board, &c., and extras of approximately £150–£200 per annum. Previous hospital experience essential. Appointment for an initial term of six months with possibility of further extensions.

Applications, stating age, nationality, qualifications, and previous experience, together with copies of three recent testimonials, must reach the Secretary by Thursday, 23rd September, endorsed "Appointment."

HORACE W. CARPENTER, Secretary.

## Scarborough Hospital, Yorkshire.
(140 Beds.)

Wanted.—Two Female HOUSE SURGEONS—one to take up duties on October 18th, 1937, and one to take up duties on November 1st, 1937.

The appointment to be until April 30th, 1938.

Salary at the rate of £150 per annum, together with board residence, laundry, &c.

Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent to the Hon. Secretaries not later than the first post on September 21st, 1937.

## Medical Officer required for service

with large Company operating in the Near East, possessing well-organised Medical Service with Staff of British Doctors, including Specialists, Nursing Staff, Hospitals, &c. Applicants must be of British parentage and have British qualifications. Administrative experience an advantage: age not more than thirty. Commencing salary £800 per annum progressive with Provident Fund benefit. Three yearly agreements. Free furnished quarters. Free passage out and home.—Apply, with copies of testimonials (not returnable), to Address, No. 298, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

## City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES
(660 Beds).

APPOINTMENT OF TWO RESIDENT ASSISTANT MEDICAL OFFICERS.

The Public Health Committee invites applications from registered Medical Men for the post of Resident Junior Assistant Medical Officer (Grade 2) at the Monsall Hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital, and have taken the Diploma in Public Health, or have special experience in Bacteriology, and who have had previous experience in fevers.

The salary for the appointments is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointments will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 25th September, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

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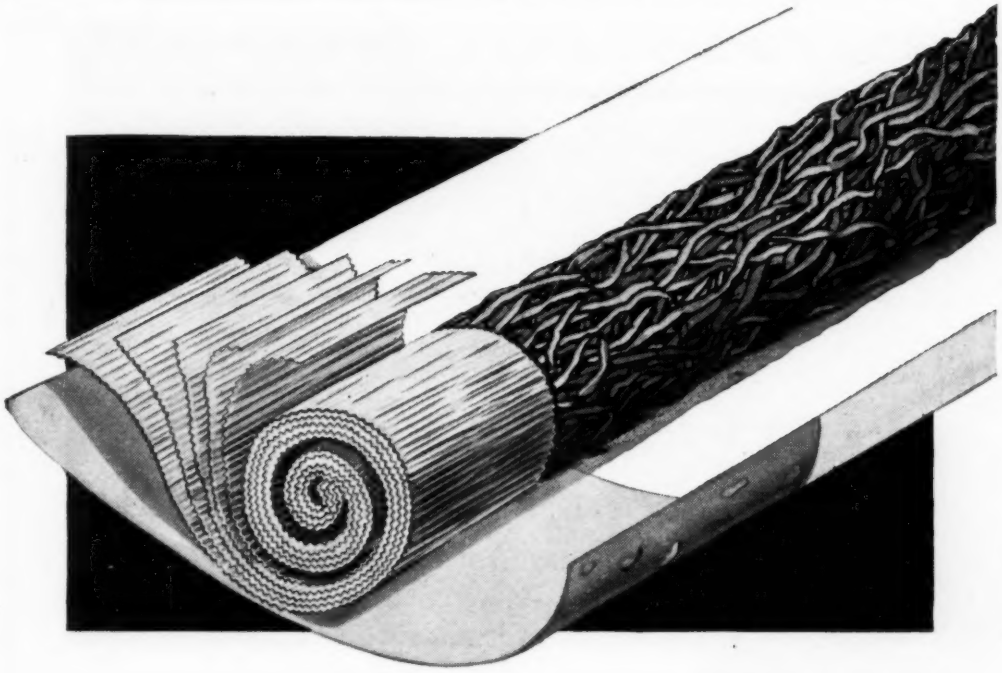

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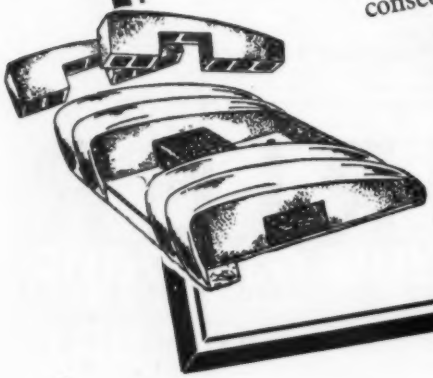

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Normally there exists in the body a certain quantity of uric acid, which assists general metabolism, and after it has played its part is eliminated together with the normal thyminic acid of the organism. When, however, uric acid is present in excess, the body needs additional thyminic acid to supplement the resultant deficit of this normal solvent of uric acid.

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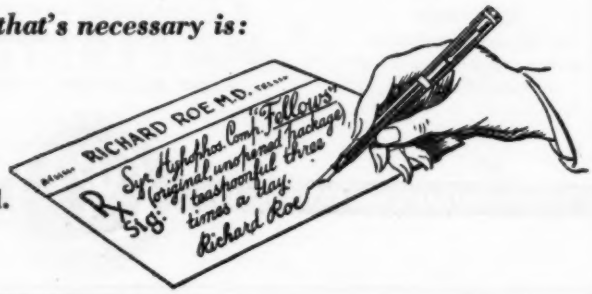


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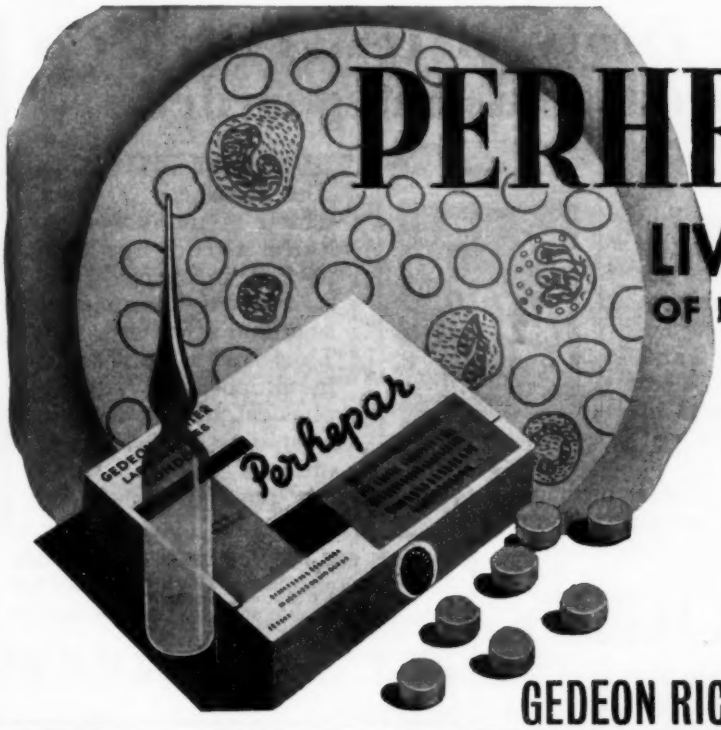


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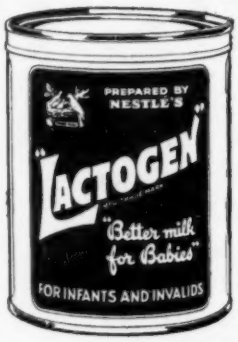


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|---|---|---|---|---|---|---|---|---|
| Carbohydrates | absent | 6.2% | Carbohydrates | absent | 9.1% | Carbohydrates | absent | 11.8% |
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(Kaylene Brand of Colloidal Kaolin with highly viscous liquid paraffin)

Alternating intervals of constipation and diarrhœa often occur in cases of colitis. Kaylene-ol is applicable in either phase. Its soothing and adsorptive actions combat the irritative diarrhœa, and its softening and lubricating actions counteract constipation during the intervals.

DOSE—KAYLENE-OL: 1 or 2 dessertspoonsful three times a day, half hour before meals, or in mild cases half hour before breakfast and at bedtime.

Kaylene-ol c̄ Phenolphthalein (0·5 per cent.) is taken when constipation is particularly troublesome. Dosage as for Kaylene-ol.

*Samples and Literature from the sole manufacturers:*

**KAYLENE LIMITED, WATERLOO ROAD, LONDON, N.W.2.**

*In rubber-capped bottles 5 c.c., 7/6; 10 c.c., 10/9; 25 c.c., 17/6.*

# The Common Cold

## AUTUMN INJECTION CAN NOW CONFER WINTER IMMUNITY

Consistent evidence from clinical sources over the past four years shows that the new principles of vaccine therapy established by Dissolved Vaccine G.L. have brought to cold prophylaxis an assurance of majority success. The immunity response to the Cold Dissolved Vaccine G.L. is more consistent, more rapidly developed and of a higher degree because the total antigens are in solution and thus immediately available on injection.

Further, because the antigens are detoxicated, a full dose (½ to 1 c.c.) may be given from the first without fear of undesirable reaction. Three injections at intervals of a week should suffice. The rapidity with which immunity is developed enables prophylaxis of colds to be carried out at any time. It is advisable, however, particularly for patients known to suffer from recurrent winter colds, to administer the vaccine in the early autumn.

**FOR TREATMENT** Injection of the Cold Dissolved Vaccine G.L. has also achieved conspicuous success in treatment. One or two doses (½ to 1 c.c.) administered in the early stages of a cold will, in the majority of cases, bring about a rapid regression and termination of the symptoms.

**COLD DISSOLVED VACCINE GL**

GLAXO LABORATORIES LIMITED
GREENFORD, MIDDLESEX. 'Phone: BYRon 3434

G.L.269



# ALASIL

## Better Salicylate Therapy

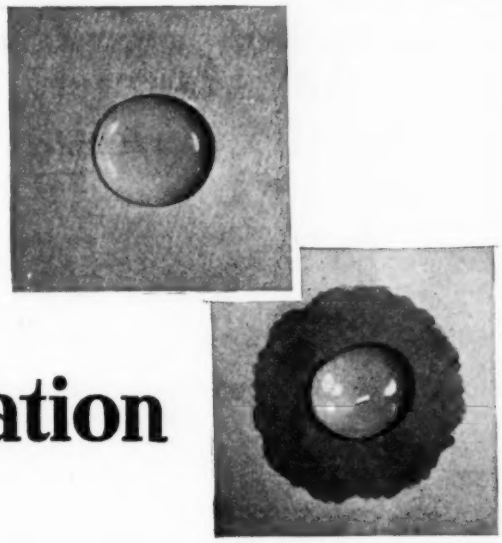
WHATEVER be the season of the year, there is a wide sphere of utility for "Alasil," the improved form of salicylate medication. "Alasil" is a very definite advance on ordinary compounds of salicylic or acetyl-salicylic acid both in therapeutic efficiency and in freedom from unpleasant gastro-intestinal sequelæ. This high tolerability is due to the fact that "Alasil" is composed of calcium acetyl-salicylate—the least irritating of the salicylate compounds—and "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid.

A careful series of experimental tests has recently shown that "Alasil" is more completely absorbed than ordinary salicylate compounds, and that it is practically free from the risk of liberating free salicylic acid in the stomach. Wide clinical experience anticipated these findings by demonstrating that the use of "Alasil" can be pushed or prolonged to a much greater extent than ordinary salicylate compounds, and that it can be given with equal safety to children, adults, the aged, and patients with finely-balanced digestive capacities.

*A supply for clinical trial with full descriptive literature sent free on request.*

A. WANDER, LTD.,
Manufacturing Chemists,
184, Queen's Gate, London, S.W.7.
*Laboratories and Works:* King's Langley, Herts.

M269



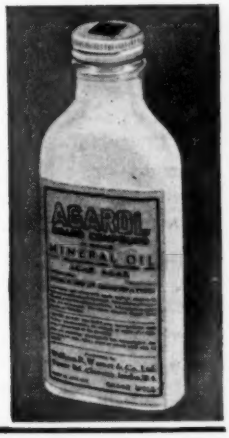
# A Triumph of Emulsification

THE OILY RING AROUND THIS DROP TELLS THE STORY

The ring around the drop tells the story. A drop of Agarol on blotting paper holds firmly together. Try this with a poor emulsion and you will soon see the mineral oil being taken up by the blotting paper, forming a greasy ring around the drop.

For dependable efficacy in the treatment of constipation and allied disorders Agarol — mineral oil, agar-agar and phenolphthalein emulsion — has attained a reputation all its own.

Only the finest and purest ingredients are used in Agarol. Its exceptional palatability, secured without artificial flavouring, renders it acceptable to both children and adults. Agarol contains no alcohol and no alkali and, being devoid of sugar, is particularly suited to diabetic cases.




**Agarol**

BRAND COMPOUND

**FOR CONSTIPATION**

Supplied in bottles containing 4½, 7½ and 17 ounces.

Agarol is not advertised to the public.

William R. Warner & Co. Ltd., Power Road, Chiswick, London, W.4.

# An accurately planned diet for the period 10 to 24 months

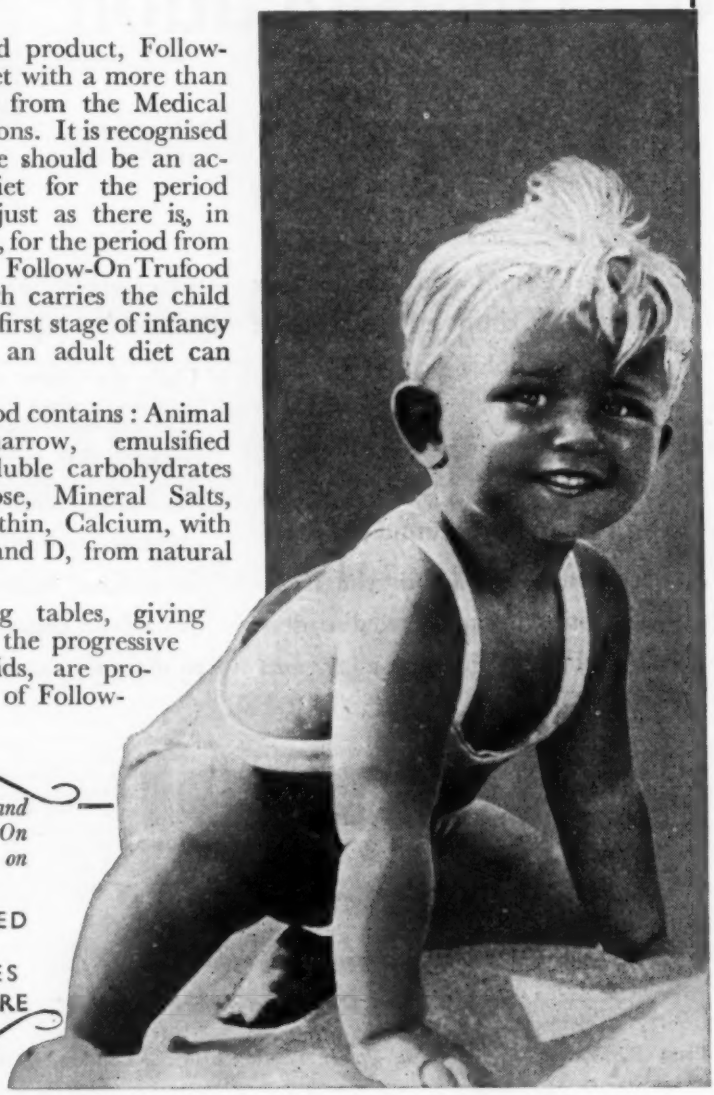
# Follow-on Trufood

with feeding tables allowing for the progressive introduction of solids.

The new Trufood product, Follow-On Trufood, has met with a more than favourable response from the Medical and Nursing professions. It is recognised as logical that there should be an accurately-planned diet for the period 10 to 24 months, just as there is, in Humanised Trufood, for the period from birth to nine months. Follow-On Trufood is the bridge which carries the child safely over from the first stage of infancy to the stage where an adult diet can be taken.

Follow-On Trufood contains : Animal Proteins, Bone-marrow, emulsified Cream Fat, the soluble carbohydrates Lactose and Glucose, Mineral Salts, Organic Iron, Lecithin, Calcium, with Vitamins A, $B_1$, $B_2$ and D, from natural sources.

Complete feeding tables, giving full instructions for the progressive introduction of solids, are provided with each tin of Follow-On Trufood.



*Further particulars and samples of Follow-On Trufood will be sent on request to :*

TRUFOOD LIMITED
(DEPT. F.L.17)
THE CREAMERIES
WRENBURY, CHESHIRE

TFF/4A/29

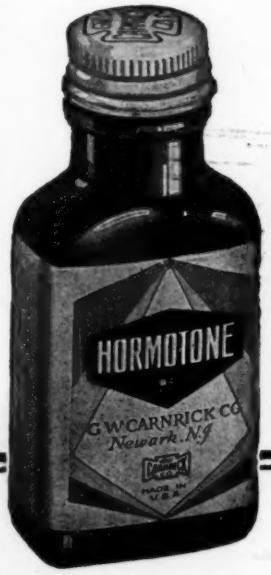
SCANTY, painful or irregular menstruation usually results in fixed, faulty physiological habits. Treatment is more successful if instituted early.

Take advantage of an endocrine product which represents the best thought of research and clinical medicine.

# HORMOTONE

G. W. CARNRICK CO.

20 Mt. Pleasant Ave, Newark, N. J., U. S. A.




BOTTLES OF 100 TABLETS

*Distributors*

BROOKS & WARBURTON, Ltd.

240 Vauxhall Bridge Rd., London, S. W. 1

# A NEW THERAPY

*for all Biliary and Hepatic Diseases*

# CURCUNAT

(DRAGEES)

Curcumin-sodium 0·1 gramme
Calcium cholate 0·1 gramme

Packed in Boxes of 30 Dragees

antiphlogistic disinfectant
—increases bile secretion—

A TEMMLER PRODUCT

# BROMIDE

administration without by-effects made possible through

# Brosedan

Temmler

BROSEDAN is a fluid brom-yeast preparation, possessing an agreeable flavour and a high proportion of the YEAST VITAMINS. Thanks to the yeast-component BROSEDAN does not give rise to bromide-acne.
BROSEDAN does not contain any animal substances.

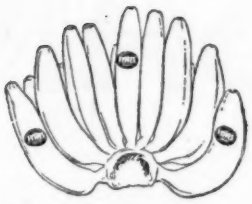
*Samples and literature will be sent free on request to*
MESSRS. COATES & COOPER LTD.,
94, Clerkenwell Road, London, E.C.1.

A TEMMLER PRODUCT

# THE THERAPEUTIC VALUE OF THE BANANA

**III. Coeliac Disease** This nutritional disturbance of early childhood has been found by *Haas* to give way very satisfactorily under treatment with bananas. The carbohydrates of the banana are tolerated perfectly, and combined with sour milk give a diet of high calorific value. The maximum number of bananas used in any one case was sixteen daily for a child of twenty-six months.

The *Haas* treatment is now being extensively used in European children's hospitals with excellent results. The method of administration is usually to rub fully ripe bananas through a sieve, and beat to a cream pulp with milk or other suitable liquid.



***N.B.*** **In the fully ripe banana the starch content is reduced to about 3 per cent, having been changed into soluble sugars. A banana is ripe when all green has disappeared from the skin and brown spots have formed upon the yellow surface.**

ISSUED BY ELDERS & FYFFES LTD., 31-32 BOW STREET, LONDON, W.C.2

# The 'Circulatory Grid' in Hyperpiesia

## 'High Voltage' and 'Low Current'

## VASO-DILATOR 'STEPPING-DOWN' OF PRESSURE

**The high voltage electrical power provided by the principal generating station would give relatively little utilisable current in our homes were it not for the "stepping-down" of power in the substations of our national grid system.**

**In Hyperpiesia, the peripheral resistance is too great, and despite the high blood-pressure, too small a current of utilisable blood flows through to the tissues. Pharmacological and clinical evidence proves that 'Phyllosan' brand of chlorophyll tablets "steps-down" the blood pressure, *opens up the meshes of the arteriolar grid* by dilating the blood vessels, while maintaining the force of the principal power-station of the circulation—the cardiac pump.**

*Rentz (Upsala University): "Some investigations into the Pharmacological properties of Chlorophyll."*

---

A PAMPHLET★

# *Hyperpiesia, Metabolic Disorders and the Anaemias*

## *Recent Advances in Medical Practice*

A review of the experimental and clinical evidence for the use of

# 'PHYLLOSAN'

BRAND OF CHLOROPHYLL TABLETS

in Modern Therapeutics

★ Members of the medical profession are invited to write for a free copy of this publication and a trial supply of 'Phyllosan' tablets

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# COD LIVER OIL

## is the only Liver Oil with a pedigree of proved achievement behind it

## .. now available in a

# PALATABLE, HIGH-POTENCY FORM

The study of Vitamins A and D originated through research into the value of Cod Liver Oil as a builder of constitution—sufficient proof of its long standing as a nutritive food. Cod Liver Oil contains nature's Vitamins A and D in their right proportion. That is why it is specifically recommended by the Ministry of Health and the League of Nations Nutrition Committee. Only its general character has been against it in the past but now we have got over this difficulty. We have produced in "SevenSeaS," for the first time, a Cod Liver Oil of fresh pleasant flavour in high potency form.

"SevenSeaS" is obtainable in three forms: (1) High Potency Oil—four times B.P. standard; (2) High Potency Capsules containing 5 mm. dose of High Potency Oil; (3) Standard B.P. Oil. We would like all practitioners to prove "SevenSeaS" High Potency Cod Liver Oil to their own satisfaction. Please send to the address below for a free sample.

**PRICES:**

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| **HIGH POTENCY OIL** (*you only need 5 drops*) | - | **1/3** *bottle* |
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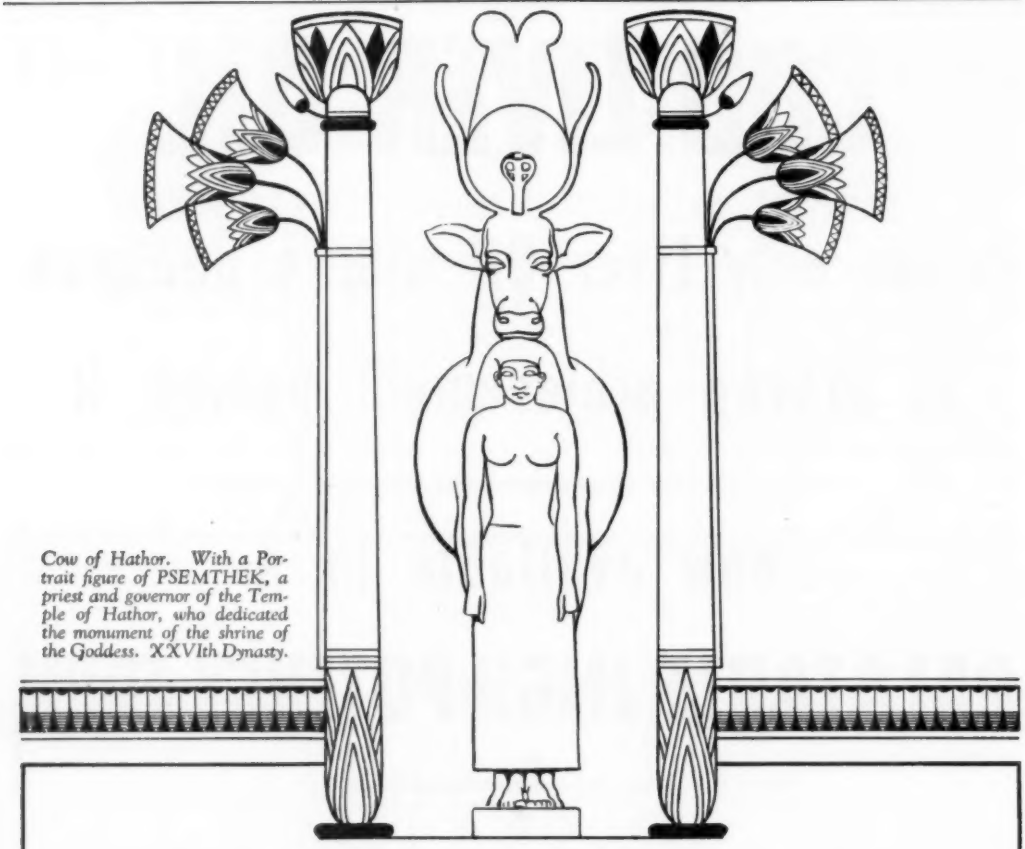
| **STANDARD OIL** - - - - | | **10d. & 1/3** " |

*From all chemists, including Boots, Timothy Whites & Taylors, etc. etc.*

SEVENSEAS
COD LIVER OIL

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD., ST. ANDREW'S DOCK, HULL, ENGLAND



*Cow of Hathor. With a Portrait figure of PSEMTHEK, a priest and governor of the Temple of Hathor, who dedicated the monument of the shrine of the Goddess. XXVIth Dynasty.*

# The Natural Aid to Nutrition

WHEN the general nutrition of the body is below normal as a result of dietary errors or of debilitating diseases, the use of 'Ovaltine'—a true physiological tonic—is of greater and more lasting value than that of chemical stimulants. It adequately reinforces and renders safe the ordinary dietary; is a powerful source of energy and assists tissue regeneration.

A considerable measure of the value of 'Ovaltine' as a highly satisfactory accessory food and aid to nutrition, is due to the fact that it presents the more important vitamins A, B (complex) and D in active condition as well as readily assimilable calcium, phosphorus and iron. 'Ovaltine' is not only highly nutritious, but really delightful to the taste and particularly easy of digestion.

# 'OVALTINE'

*A liberal supply for clinical trial sent free on request.*

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M 288

# Cystopurin

## The ideal biliary antiseptic

1 Produces no irritation or toxic effects.

2 Is readily absorbed.

3 Is active in either an acid or alkaline medium.

4 Renders the bile bactericidal and sterilises infected bile and the biliary passage.

5 Acts on causative organisms which may reach the biliary system through the systemic circulation and the alimentary tract.

6 Acts as a prophylactic.

7 Promotes biliary drainage.

8 Is perfectly safe, even in large doses.

## CHOLECYSTITIS

*From information received :—*

"I wish to state that the patient with cholecystitis to whom I administered Cystopurin has recovered."

"Cystopurin worked well in cure of cholecystitis and cleared up all symptoms and tenderness. There is no doubt it is good and far easier to take and absorb than any similar preparation."

"Oral administration of Cystopurin was shown to be preferable to —— and within 15 days of the commencement of daily treatment, the organisms entirely disappeared. ——, administered for a similar period, whilst freeing the urinary system of organisms, failed to influence the infection of the gall bladder and bile, which remained positive."

**Supplied in bulk and in tubes of 20 tablets for dispensing purposes.**

*Samples and literature available on request to*

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# Arsenical Preparations in the TREATMENT OF SYPHILIS

## NOVOSTAB

TRADE MARK. BRAND.

### NEOARSPHENAMINE B.P.

Novostab possesses high therapeutic activity combined with low toxicity. It may be administered either in aqueous solution or dissolved in Thiostab (sterile sodium thiosulphate solution).

**Approved by the Ministry of Health for use in Public Institutions.**

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### ARSPHENAMINE DIGLUCOSIDE

A stable compound of arsphenamine and glucose supplied in solution ready for use.

**Approved by the Ministry of Health for use in Public Institutions.**

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### SULPHARSPHENAMINE B.P.

The Arsphenamine compound recommended for deep subcutaneous or intramuscular injection. Particularly suitable for Congenital Syphilis.

**Approved by the Ministry of Health for use in Public Institutions.**

*Literature sent on request*

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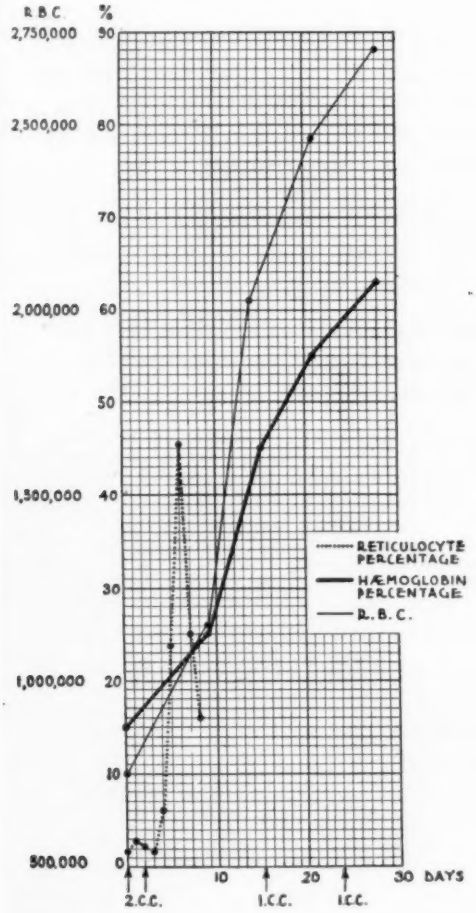
# ANAHÆMIN B.D.H.

## *In the treatment of pernicious anæmia*

Physicians who have adopted anahæmin treatment as a routine in pernicious anæmia testify to the uniformly beneficial effects which invariably result.




The graph reproduced herewith illustrates the response to three injections of anahæmin in a case recently reported (Brit. Med. Journ, May 22, 1937, p.1090).

In commenting upon the result obtained the physicians concerned stated '...until recently we should undoubtedly have transfused this patient before treating her with liver extract, but similar experience with two other severe cases treated with anahæmin has given us sufficient confidence to wait for the expected reticulocyte crisis about the fifth day.'

*Literature on request*

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## (Oral)

A potent extract of carefully selected mammalian liver, prepared by a process which ensures the hæmopoietic factor and the vitamin B complex in the highest proportions.

It is the most concentrated oral extract available, and is palatable and easily assimilated.

The therapeutic equivalent of two ounces of fresh liver is contained in a teaspoonful dose.

DOSAGE: In the initial treatment of pernicious and other primary anæmias, one to four fluid drachms per day will be found sufficient.

As the condition of the patient improves a maintenance dose of one or two teaspoonfuls a day will suffice, or alternatively, one larger dose may be given weekly.

A 4-oz. bottle of Hepatex contains sufficient for one week's initial treatment or three weeks' maintenance.

**Issued in 4 fld. oz. bottles - 12/6 each**

**Neo-Hepatex, for parenteral use, is the latest advance in Liver Therapy, and is suitable for either intravenous or intramuscular administration**

*The Hepatex Liver Extracts are stocked by Pharmacies the world over*

**Prepared at Evans' Biological Institute**

by

# Evans Sons Lescher & Webb Ltd.

Liverpool and London

# GLUCO - FEDRIN

THE development of vehicles suitable for medicaments employed in the treatment of inflammation of the nasal mucosa has been the subject of special investigation. Studies in the Parke-Davis Laboratories have been undertaken with the specific purpose of finding a vehicle that is stable, non-irritating and miscible with the nasal secretion. Various oils and oily emulsions were discarded because, being immiscible, they tended to hinder or delay the action of medicaments. Aqueous solutions and glycerinated vehicles are not entirely free from irritating properties. An isotonic dextrose solution containing menthol, Chloretone and ephedrine was found to be superior to other preparations tested. Its blandness, ready miscibility with the nasal secretion, and stability make it particularly satisfactory. Such a combination is now available under the name "Gluco-Fedrin" and is suggested for use as a vaso-constrictor in diagnostic investigations of the nose and accessory sinuses as well as for the treatment of hayfever and other forms of allergic rhinitis.

*Supplied in 10 c.c. bottles, each with a dropper.*

FORMULA

*Ephedrine .. 1 per cent.*
*Chloretone 0·5 per cent.*
*Menthol .. 0·1 per cent.*
*Dextrose Solution . q.s.*

PARKE, DAVIS & COMPANY, 50, BEAK STREET, LONDON, W.1.

# In Wasting Diseases

In wasting diseases, such as tuberculosis, while the destruction of tissue is extensive, the power of assimilation is often much damaged also.

## 'ALLENBURYS' BEEF JUICE

contains in solution the albumen and vitamins of fresh, raw, beef juice, obtained from prime, lean, English beef.

The juice is extracted under pressure and concentrated *in vacuo*, a low temperature being maintained throughout the process to avoid destruction of vitamins and coagulation of albumen.

*Descriptive literature and clinical trial sample will be sent on application.*

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Telephone: Bishopsgate 3201 (12 lines)

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# Fat Intolerance

**ALLENBURYS HALF-CREAM FOOD**

acceptable to the most delicate infant.

(1) Fat reduced to 1.5% and finely divided in colloidal suspension with dextrin maltose.
(2) Excess casein removed.
(3) Lactalbumen content equal to breast milk.
(4) Calcium, phosphorus, and iron in adequate quantity.
(5) Vitamin D +++

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# In Pruritus Ani, Anal Fissure, Pruritus Vulvæ, etc.

"Proctocaine" is a lasting, non-toxic, local anæsthetic, for use in irritating or painful conditions of the skin and subcutaneous tissues. It is an improved form of A.B.A. "Proctocaine" is a combination of oil-soluble anæsthetics of low toxicity. These are combined so as to produce *immediate local anæsthesia* which is maintained by the slow, uniform absorption of its oily vehicle, and action of its oil-soluble ingredients.

The advantages of "Proctocaine" over other solutions have been found[1] to be as follows:

1. Its effect is almost certain.
2. It produces anæsthesia or hypo-anæsthesia for periods varying from 7 to 28 days or longer.
3. The relaxation which it produces in the anal musculature is much greater and more prolonged.
4. It is comparatively non-toxic, injection of 20 to 30 c.cm. producing no general effect.
5. Even large quantities of it at one sitting have not been found to produce any local reaction if injected properly.
6. Its injection is painless if made slowly.
7. In no case did it produce severe after-pain.

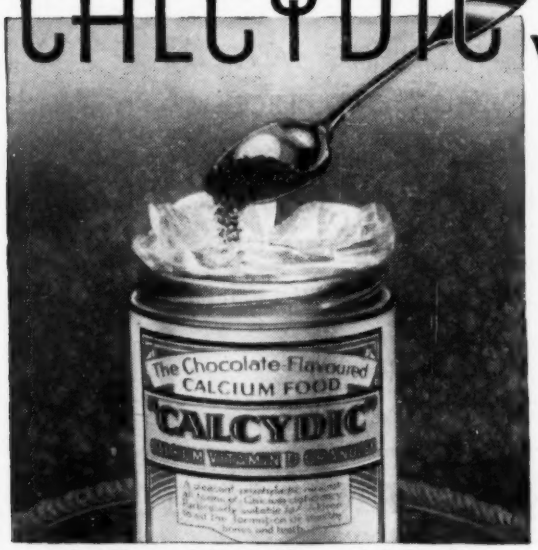
[1] *British Medical Journal*, 1935, November 16th, p. 938.

**In ampoules: 2 c.cm., boxes of 6, 4/6 and 12, 8/6**
**5 c.cm., „ „ 6, 8/6**
**10 c.cm., „ „ 3, 8/6**

# PROCTOCAINE
## Injection Solution
LOCAL ANÆSTHETIC—ANALGESIC

Telephone: 3201 Bishopsgate (12 lines) **ALLEN & HANBURYS Ltd., LONDON, E.2** Telegrams: "Greenburys Beth London

# "CALCYDIC"
## calcium vitamin D granules




**In Tins of ½ lb. 2/3, and 1 lb. 4/-**

*Descriptive literature and clinical trial sample will be sent on request*

Supplies of calcium and phosphorus are essential to the action of vitamin D. Whereas ordinary calcium phosphate contains 1 part by weight of phosphorus to 2 of calcium, dicalcium phosphate ($CaHPO_4$) contains 3 parts of phosphorus to 4 of calcium. "Calcydic" Granules are delicious.

Each teaspoonful contains—

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| Dicalcium phosphate | 7½ grains |
| Vitamin D | 1,500 units |
| Glucose, Chocolate and Cane Sugar | |

These granules may be given to children or adults, prophylactically or therapeutically, in rickets, pregnancy, lactation, osteomalacia, menorrhagia, convalescence, chilblains, and urticaria.

Manufactured in England by
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TRADE MARK BRAND

## ORAL COLD VACCINE

**FOR PROPHYLACTIC IMMUNISATION TO RESPIRATORY INFECTIONS AND PARTICULARLY TO THE COMMON COLD**

'ENTORAL' IS AN IMMUNISING ANTIGEN WHICH, WHEN GIVEN ORALLY, WILL PRODUCE HETEROPHILE ANTIBODY IN SUFFICIENT AMOUNTS TO INCREASE MATERIALLY THE RESISTANCE OF INDIVIDUALS TO RESPIRATORY INFECTIONS. ISSUED IN PACKAGES OF 20 AND 60 'PULVULES' BRAND FILLED CAPSULES

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*Distributing Agent in Britain for*

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# Calcium in the ideal state for proper metabolism

Burroughs Wellcome & Co. Calcium Gluconate presents approximately 9 per cent. calcium. The combination of calcium with the relatively weak gluconic acid ensures ready absorption and freedom from tendency to cause digestive derangement

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## CALCIUM GLUCONATE and IRON (Effervescent)

℞ Calcii Gluconatis, gr. 20 Ferri et Ammonii Citratis, gr. 3 Salis Effervescentis, *q.s.* *Tubes of* 20 *products*, **2/1**

TRADE MARK **'TABLOID'** BRAND **Calcium Gluconate gr. 20** *Chocolate-flavoured Base* *Tubes of* 25 *products*, **1/10**

TRADE MARK **'TABLOID'** BRAND **Calcium Gluconate with Calciferol**

℞ Calcii Gluconatis, 0·325 gm. Calciferoli, 0·000025 gm. (1 product = 1000 International Units Vitamin D)

*Bottles of* 25 *products*, **1/10** 100 *products*, **5/11**

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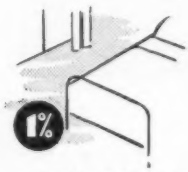
DISINFECTION OF HANDS

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PRESERVING OF INSTRUMENTS

WOUNDS, CUTS AND ABRASIONS

SEPTIC SKIN DISEASES

**HAVE YOU TRIED THIS NEW ANTISEPTIC?**

# 'Zephiran' concentrate

TRADE MARK BRAND

**POTENT • ECONOMICAL**
**CLEAR • NON-IRRITANT**

'Zephiran' Concentrate is built up on an entirely new chemical basis, contains neither phenols nor heavy metals, is non-poisonous, non-irritant and practically odourless.

The disinfectant value of 'Zephiran' Concentrate has been thoroughly proved by extensive laboratory tests on the continent. These tests have been repeated and their scope extended by a Bacteriologist at one of the London Teaching Hospitals.

'Zephiran' Concentrate is issued in 6 oz. bottles (with measure cap) at 3/3 each (subject to medical discount) and in Winchester Quarts for hospital use. When used in the recommended solutions, it is exceptionally economical

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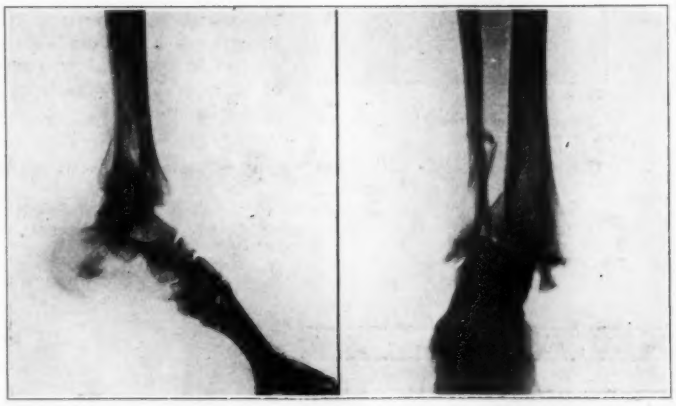

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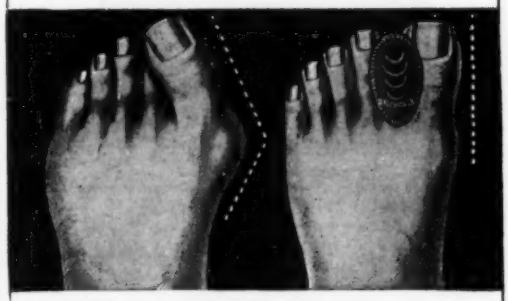

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| THURS., OCT. 7th. | Toxic and Endocrine Factors in the Psychoneuroses. | EDWARD A. BENNET, M.C., M.D., D.P.M. Methods of Investigation: Hypnosis: Word Association: Automatic Writing and Drawing. | WILLIAM NUNAN, M.D. Hypnotism and Suggestion. | MON., OCT. 25th. | E. B. STRAUSS, D.M., M.R.C.P. Mental Mechanisms. | EDWARD A. BENNET, M.C., M.D., D.P.M. Analytical Psychology (Jung). | WINIFRED I. DOHERTY, M.B., Ch.B., D.P.H., D.T.M. Cases Centering Round Nuclear Incidents. |
| MON., OCT. 11th. | E. B. STRAUSS, D.M., M.R.C.P. Psychological Background. | Free Association. | A. MCLEOD FRASER, M.B., Ch.B. A Case of Anxiety Hysteria. | THURS., OCT. 28th. | J. A. HADFIELD, M.A., M.B. Anxiety States and Obsessions. | C. M. BEVAN-BROWN, M.B., Ch.B. Individual Psychology (Adler). | G. R. HARGREAVES, M.R.C.S., L.R.C.P. A Case of Obsessional Compulsion. |
| THURS., OCT. 14th. | J. A. HADFIELD, M.A., M.B. General Ætiology of the Psychoneuroses. | Dream Interpretation. | WINIFRED I. DOHERTY, M.B., Ch.B., D.P.H., D.T.M. A Case of Homosexuality. | MON., NOV. 1st. | E. B. STRAUSS, D.M., M.R.C.P. Mental Mechanisms. | MARY C. LUFF, M.D., D.P.M. The Psychology of the Psychoses. | CLIFFORD E. ALLEN, M.D., M.R.C.P., D.P.M. A Case of Psychosis. |
| MON., OCT. 18th. | E. B. STRAUSS, D.M., M.R.C.P. Psychological Background. | MAURICE B. WRIGHT, O.B.E., M.D. Principles of Psychoanalysis (Freud). | A. MCLEOD FRASER, M.B., Ch.B. A Case of Fetishism. | THURS., NOV. 4th. | J. A. HADFIELD, M.A., M.B. Sex Aberrations. | H. V. DICKS, M.D., M.R.C.P. Delinquency and its Psychological Treatment. | B. W. CROWHURST ARCHER, M.D. A Case of Delinquency. |

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**November 4th** **Gynaecological Neuroses**
ALECK W. BOURNE, F.R.C.S., Obstetric Surgeon to St. Mary's Hospital.

**November 11th** **Respiratory Neuroses**
J. L. LIVINGSTONE, M.D., F.R.C.P., Physician, King's College Hospital, Assistant Physician, Brompton Hospital.

**Nov. 18th & 25th** **Cardiac Neuroses**
Sir MAURICE CASSIDY, K.C.V.O., C.B., F.R.C.P., Senior Physician, St. Thomas's Hospital.

**Dec. 2nd & 9th** **Psychological Manifestations of Neurological Disorders**
W. RUSSELL BRAIN, D.M., F.R.C.P., Physician to the London Hospital.

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| | | | |
|---|---|---|---|
| Oct. | 7th. | Antenatal Care .. .. | Dame LOUISE MCILROY, D.B.E., LL.D., M.D., F.R.C.P., F.C.O.G. |
| ,, | 14th. | Radiology in Obstetrics and Gynæcology. | Dr. R. E. ROBERTS, M.D., D.M.R.E. |
| ,, | 21st. | Radiology in Obstetrics and Gynæcology (continued). | Dr. R. E. ROBERTS, M.D., D.M.R.E. |
| ,, | 28th. | Breech Cases .. .. | Professor J. CHASSAR MOIR, M.D., F.R.C.S., F.C.O.G. |
| Nov. | 4th. | Puerperal Sepsis .. | Dr. R. M. FRY, M.R.C.S., L.R.C.P. |
| ,, | 11th. | Obstetric Emergencies.. | Dr. W. H. F. OXLEY, M.R.C.S., L.R.C.P., F.C.O.G. |
| ,, | 18th. | Abortion | |
| ,, | 25th. | Hæmorrhage of Late Pregnancy. | Professor F. J. BROWNE, M.D., D.Sc., F.R.C.S., F.C.O.G. |
| Dec. | 2nd. | Hæmorrhage of Late Pregnancy (continued). | Professor F. J. BROWNE, M.D., D.Sc., F.R.C.S., F.C.O.G. |
| ,, | 9th. | Toxæmias of Pregnancy | Mr. G. F. GIBBERD, M.S., F.R.C.S. |
| ,, | 16th. | Toxæmias of Pregnancy (continued). | Mr. G. F. GIBBERD, M.S., F.R.C.S. |
| 1938. | | | |
| Jan. | 6th. | Disproportion and Difficult Labour. | Mr. LESLIE WILLIAMS, M.D., M.S., F.R.C.S., F.C.O.G. |
| ,, | 13th. | Disproportion and Difficult Labour (continued). | Mr. LESLIE WILLIAMS, M.D., M.S., F.R.C.S., F.C.O.G. |
| ,, | 20th. | Cæsarean Section .. | Mr. J. BRIGHT BANISTER, M.A., M.D., F.R.C.P., F.R.C.S., F.C.O.G. |
| ,, | 27th. | Anæsthesia and Analgesia | Professor J. CHASSAR MOIR, M.D., F.R.C.S., F.C.O.G. |

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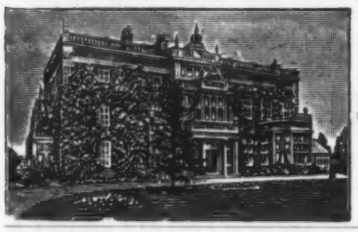

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PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.
MEDICAL SUPERINTENDENT: DANIEL F. RAMBAUT, M.A., M.D.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

**Telegrams: "Alleviated, London."** **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# PRIOR PLACE SANATORIUM

## HEATHERSIDE, CAMBERLEY, SURREY.

## FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

# THE RESIDENTIAL TREATMENT OF ALCOHOLISM & DRUG ADDICTION

## RENDLESHAM HALL

**(Postal Address), WOODBRIDGE, SUFFOLK**

RENDLESHAM HALL, which is open to receive patients, is essentially a Sanatorium. Its daily life and routine are that of an ordinary comfortable holiday or health resort, or of a large country house. Each patient has all the privileges of a guest consistent with the prescribed medical treatment.

RENDLESHAM HALL

Rendlesham Hall has 45 Bedrooms, and about 450 acres of Gardens and Park. It has also a private Nine-hole Golf Course, Tennis and Croquet Lawns, and Bowling Green.

Illustrated Booklet, giving particulars as to terms, etc., can be had on application to

**THE RESIDENT MEDICAL SUPERINTENDENT**

*Telegrams and Telephone:* WICKHAM MARKET 16. (Toll Call from London.)

*Proprietors:* THE NORWOOD SANATORIUM, LIMITED.

# RUTHIN CASTLE, NORTH WALES

The fees are from 15 guineas a week.

They include medical attendance, all scientific investigations that may be needed, such as analyses, bacteriological cultures, the ordinary X-ray examinations, and electrocardiograph readings: all treatment that may be prescribed such as special diets, insulin, artificial sunlight, electrical treatment, baths, massage, nursing; medicines or vaccines, board and lodging.

The only extra charge is that for a complete alimentary X-ray examination, or for X-ray therapy.

All the usual forms of treatment are given at Ruthin Castle. The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

*Address*—THE SECRETARY, Ruthin Castle, North Wales. *Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

# *The* MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

*Resident Physicians:*
S. VERE PEARSON,
M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS,
M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY,
M.D. (Cantab.).

*For all information apply:*
THE SANATORIUM,
MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95
(2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

**TERMS FROM 7½ GUINEAS WEEKLY**

# VALE OF CLWYD SANATORIUM.

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

# NORTHUMBERLAND HOUSE

GREEN LANES,

## FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

*Telephone:* Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

# THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 2101

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER M.D., F.R.C.P. F.R.C.S. Medical Superintendent

# THE ROYAL EARLSWOOD INSTITUTION FOR MENTAL DEFECTIVES

Patron: H.M. THE KING.

REDHILL, SURREY. *(Formerly the EARLSWOOD ASYLUM)*

**FOR THOSE REQUIRING CONTROL** with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations. **SCHOOLS, FARMING, and various TRADE WORKSHOPS.**

Inclusive fees from £110 p.a. **THOSE UNABLE TO PAY** admitted by votes of subscribers, with **part-payment toward cost.**

**RECREATIONS:** ALL outdoor games, EXCELLENT BAND by Male Staff, for Concerts, Dancing, &c.

Apply, THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.

Telephone: Redhill 344. Telephone: City 4697.

# THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

*Med. Supt:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S.Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

# THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: 51.

# HAYDOCK LODGE,

## NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

# FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

*For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.*

## THE CLINIC

**20 Devonshire Place**
**London, W.1**

*Tel.: Welbeck 4444 (20 lines)*

**A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES**

Fees 10 gns. to 18 gns. per week (Average—14 gns.). 8 Operating Theatres. 150 State Registered Nurses. 2 Resident Medical Officers (for emergencies).
Patients only received under the supervision of their own Medical Practitioner.
Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

## Smedley's
Great Britain's Greatest Hydro
**Matlock**

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studa Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
*Resident Physicians:* G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). TERMS, 12s. to 18s. per day, inclusive of board.
*Illustrated Brochure C.J. and full information on request.*
*Telephone*—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

*There's* **LIFE** *at*
*Harrogate . . . always*
● *Life in her waters . . . .*
specially suitable for the treatment of Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver: Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc.: the Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis, Gout, Hyperpiesis, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.
A wide range of Sulphur waters, strong and mild, and of Iron waters, both saline iron and pure chalybeate, is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets obtainable at hotels and boarding houses, without extra charge. Complimentary and reduced price facilities for the Cure, Accommodation and Amusements for Members of the Medical Profession.
● *Life in her air, recreations, concerts, surroundings . . .*

## Harrogate

*MONTHLY RETURN TICKETS AT A PENNY A MILE*
"IT'S QUICKER BY RAIL"
Descriptive Booklet from Spa Manager, Harrogate or any L.N.E.R. Office or Agency. 6

*"A Spa that is different."*

## RHEUMA SPA OF WALES
**KINMEL HALL, ABERGELE**

For rheumatic and similar disabilities this Spa offers recuperative advantages different from any other Spa.
Most modern treatments under supervision of qualified Resident Physician.
Beautiful country mansion in own 1000 acres. First-class cuisine, special diets.
All indoor and outdoor recreation facilities—fishing, riding, rough shooting, all games, etc. Attractive Country Club (licensed). Excellent winter quarters.
*Write for handsome book, post free, to The Secretary, Kinmel Hall, Abergele.* Telephone: Abergele 156/7.

## DR. BINSWANGER SANATORIUM BELLEVUE
KREUZLINGEN
LAKE OF CONSTANCE — SWITZERLAND
**for Nervous and Mental cases**
as well as all kinds of addiction
(Insulin shock treatment)
Doctor in charge: DR. LUDWIG BINSWANGER
Prospectus on application to the Management

## BARNWOOD HOUSE, GLOUCESTER.
A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.
Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.
For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.
Telephone: No. 6207 Barnwood.

## THE WARNEFORD, OXFORD.
HOSPITAL FOR MENTAL DISORDERS.
President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.
For further particulars apply to the Physician-Superintendent.

## Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

## Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st November, 1937. Salary at the rate of £75 per annum, with full board.
Applications, together with copies of three testimonials, should reach the undersigned on or before Tuesday, 28th September.
F. DUDLEY HOBBS, B.A., Secretary.

## Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

Applications are invited from fully qualified Medical Women for the post of MEDICAL REGISTRAR—Non-resident—Honorarium £100 per annum.

Particulars can be obtained from the undersigned to whom applications, with testimonials, should be sent before the 1st October, 1937.

3rd September, 1937. JEAN R. MURRAY, Secretary.

## Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the appointment of:—

HONORARY PHYSICIAN to the Children's Department.

Applicants must hold the M.D. Degree and be Members of the Royal College of Physicians. Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, should be sent to the undersigned before 1st October, 1937.

3rd September, 1937. JEAN R. MURRAY, Secretary.

## Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

Applications are invited from fully qualified Medical Women for the posts of CLINICAL ASSISTANTS in the Medical and Surgical Departments.

Particulars of the posts vacant can be obtained from the undersigned to whom applications should be sent.

3rd September, 1937. JEAN R. MURRAY, Secretary.

## The London and Counties Medical
PROTECTION SOCIETY LIMITED.

The Council of the Society proposes to recommend the appointment of a Full-time SECRETARY.

Applicants must be Medical Practitioners of not less than ten years' standing and should have had experience of General Practice.

Age 35 to 50 years.

Commencing salary of £1250 per annum.

A superannuation scheme on a contributory basis will be arranged.

According to the Articles of Association, the appointment is an Annual one and is confirmed each year at the Annual General Meeting of the Society.

Applicants should give full details of their qualifications and experience, including Secretarial work. The names of three references should be given.

Further information can be obtained from the Secretary, to whom applications should be sent by October 2nd, 1937.

No canvassing is allowed.

Victory House, Leicester-square, W.C.2.

## The Infants Hospital,
Vincent-square, Westminster.

Applications are invited for the post of PATHOLOGIST. The appointment will be a full-time one. Salary at the rate of £700 per annum.

An Assistant will subsequently be appointed.

Applications, with copies of not more than three testimonials, should reach the undersigned not later than October 8th.

ALFRED J. SMALL, Secretary.

## County Council of Middlesex.

THE COUNTY (TUBERCULOSIS) SANATORIUM, CLARE HALL, SOUTH MIMMS, MIDDLESEX.

RESIDENT ASSISTANT MEDICAL OFFICER (MALE).

Applications are invited for the above appointment. Candidates must be registered Medical Practitioners, not over 35 years of age, unmarried, and of British nationality. They must have held resident Hospital appointments. Practical experience in the diagnosis and treatment of Tuberculosis will be an additional qualification.

Salary £400 per annum, rising by annual increments of £25 to £475, with board, lodging and laundry, valued at £100 per annum.

The officer appointed will work under the direction of the Medical Superintendent and devote his whole time to his official duties.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by one month's notice on either side.

The appointment, which does not carry any superannuation rights, is for a period of four years, at the end of which period the officer will leave the Council's service. In a special case the Council may decide to retain an officer on the established staff, in which case the salary will be increased to a maximum of £500.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 25th September. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, Clare Hall B.3."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 2nd September, 1937.

## The London Lock Hospital,
283, Harrow-road, W.9.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (either sex) to the FEMALE DEPARTMENTS. Candidates must be doubly qualified and duly registered. The appointment is for six months, commencing 13th October. Salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous Obstetric experience.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the undersigned by first post on Thursday, 30th September, and from whom a copy of the Bye-Laws relating to the appointment, or any further particulars, can be obtained.

1st September, 1937. J. F. MORTON, Secretary.

## St. John's Hospital, Lewisham, S.E.13.

Applications are invited for the post of MEDICAL REGISTRAR (Male) to attend the Out-patient Department on two half-days a week, namely, Monday afternoons and Thursday mornings. Honorarium of 50 guineas will be paid.

Applications, with copies of testimonials, should be received by the undersigned, who will be pleased to give further information.

J. C. GILBERT, Secretary-Superintendent.

## St. John's Hospital, Lewisham, S.E.13.

Applications are invited from registered Medical Practitioners to fill the office of CLINICAL ASSISTANT to the Medical Officer in charge of the Electrical and Massage Department. The successful applicant will be required to attend the hospital on three half-days a week at an honorarium of 50 guineas per annum.

Applications should be received by the undersigned, who will be pleased to give further particulars.

J. C. GILBERT, Secretary-Superintendent.

## Borough of Ealing.

DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Men with a Public Health qualification for the position of Deputy Medical Officer of Health.

Candidates will be required to carry out medical inspection of school-children and child welfare work and such other work as may be assigned by the Medical Officer of Health.

The person appointed will be required to devote his whole time to the duties, and will not be allowed to engage in private practice. Salary will be at the rate of £750 per annum, rising to £900 by £25 per annum.

A deduction of 5 per cent. will be made from the salary in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, which has been adopted by the Council, and the appointment will be subject to passing the Council's medical examination in connexion therewith. Canvassing will be a disqualification.

Copies of the application form and terms of appointment can be obtained from Dr. Thomas Orr, Medical Officer of Health, Town Hall, Ealing, W.5, to whom applications, accompanied by copies of not more than three recent testimonials, must be delivered not later than the 30th September.

R. H. WANKLYN, Town Clerk.

Town Hall, Ealing, W.5.

## The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

A RESIDENT HOUSE PHYSICIAN (Male) and a RESIDENT HOUSE SURGEON (Male) are required. Duties to commence on the 18th October, 1937.

The appointments are tenable for six months. Salaries at the rate of £100 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 27th September, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 6th October, 1937.

Further particulars and forms of application are obtainable from the undersigned.

August, 1937. HERBERT F. RUTHERFORD, Secretary.

## The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

Applications are invited for the post of RESIDENT SURGICAL OFFICER, which becomes vacant on the 1st November, 1937 (salary £200 per annum).

The appointment is tenable in the first instance for one year, but may be held for a period of two years subject to annual re-election.

Candidates must be unmarried, possess a legal qualification to practise, and must have held a responsible Hospital appointment at a General Hospital.

Applications must be received by noon on Monday, the 27th September, 1937, and candidates must be prepared to attend for interview at the Hospital on Wednesday, 6th October, 1937, at 4.45 P.M.

Full details of the appointment and forms of application are obtainable from the undersigned.

August, 1937. HERBERT F. RUTHERFORD, Secretary.

# ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in January, 1938.

Candidates below the age of 28 years are preferred and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance, which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 22nd November, 1937.

## National Hospital, Queen-square, W.C.1.

HONORARY ASSISTANT OPHTHALMIC SURGEON.

Applications are invited for the post of Honorary Assistant Ophthalmic Surgeon, and should be sent to the undersigned on or before September 30th, 1937.

Applicants should be Fellows of the Royal College of Surgeons of England. GODFREY H. HAMILTON, Secretary.

## National Hospital, Queen-square, W.C.1.

REFRACTION OFFICER.

Applications are invited, from fully registered Practitioners, for the post of Clinical Assistant in the Refraction Department, and should be sent to the undersigned on or before September 30th, 1937.

Two sessions each month, honorarium £1 1s. per session.

GODFREY H. HAMILTON, Secretary.

## National Hospital, Queen-square, W.C.1.

HONORARY DENTAL SURGEON.

Applications are invited for the post of Honorary Dental Surgeon, and should be sent to the undersigned on or before September 30th, 1937.

The qualifications required are F. or M.R.C.S. and L.D.S. Any further particulars may be obtained in the Secretary's Office. GODFREY H. HAMILTON, Secretary.

## The London Chest Hospital,

Victoria Park, E.2.
(Formerly City of London Hospital for Diseases of the Heart and Lungs.)
(Bus, Tram, and Rail, Cambridge Heath L.N.E. Railway.)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on November 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.

Applications, with copies of three testimonials, should be sent to the Secretary on or before Wednesday, 6th October.

N.B.—Vacancies occur at an interval of two months.

## London Hospital, E.1.

There are vacancies for Two HONORARY ASSISTANT DENTAL SURGEONS. The successful candidates, who will also receive an appointment in the Dental School, will each be required to attend on two afternoons a week.

Applications, with copies of testimonials, should be sent to the House Governor and should arrive not later than on Wednesday, October 20th.

58 A. G. ELLIOTT, House Governor.

## Borough of Willesden.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer at the Willesden Municipal (Fever) Hospital. The salary will be at the rate of £250 per annum, with board, lodging, and laundry, and the appointment is for a period of twelve months. The Hospital admits all the notifiable diseases.

Applications, stating age, qualifications, and previous experience, with copies of three recent testimonials, to be sent to the Medical Superintendent, Willesden Municipal Hospital, Brentfield-road, Neasden, N.W.10.

6th September, 1937. E. A. PRATT, Town Clerk.

## The Royal Waterloo Hospital for CHILDREN and WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY AND ORTHOPÆDIC HOUSE SURGEON.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty and Orthopædic House Surgeon to work in the Out-patient Department with care of Orthopædic beds; vacant on the 1st October, 1937, at £150 per annum. Candidates for this post should have held a previous appointment. The appointment is in the first instance for a period of six months.

Applications, with copies of testimonials, should be forwarded not later than the 23rd September to the Secretary at the Hospital, from whom further particulars can be obtained.

## Central London Throat, Nose and EAR HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANTS IN THE OUT-PATIENT DEPARTMENT.

There are the following vacancies:—

Second Assistant to attend on Saturdays at 11.30 A.M.
Third Assistant to attend on Tuesdays at 5 P.M.
Third Assistant to attend on Mondays at 2 P.M.

The duties are to assist the Surgeons in seeing the patients and the posts are honorary ones.

Applications, which may be for periods of three, six, or twelve months, should be sent to the undersigned before Sept. 24th.

JOHN H. YOUNG, Secretary-Superintendent.

## St. Mary's Hospital for Women AND CHILDREN, Plaistow, E.13.

HONORARY DERMATOLOGIST.

The Committee will shortly proceed to the appointment of an Honorary Physician in charge of the Skin Department. Attendance on one afternoon only each week. Applicants should be graduates of a University and Fellows or Members of the Royal College of Physicians, London.

Applications should be addressed as soon as possible to the undersigned.

13th September, 1937. A. ERNEST WILKES, Secretary.

## County Council of Middlesex.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment on the pensionable staff of an Assistant Medical Officer in the Public Health and School Medical Department. Salary £600 per annum, rising after two years' service by annual increments of £30 to £750, together with out-of-pocket travelling expenses.

Applicants must be duly qualified registered Medical Practitioners, and should have had special experience of antenatal work. The possession of a Degree or Diploma in Public Health will be an additional qualification.

The duties of the post are the medical inspection of schoolchildren, the supervision of treatment of minor ailments, the carrying out of work under the maternity and child welfare scheme, and such other duties as may be required by the Council.

The officer appointed will devote whole time to the duties of the post, act under the direction of the County Medical Officer of Health, and reside in such district as may be required.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council and will be terminable by one month's notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 2nd October. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, B.3."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1,
8th September, 1937.

## County Council of Middlesex.

RESIDENT CASUALTY MEDICAL OFFICERS.

Applications are invited for the above appointments at HILLINGDON COUNTY HOSPITAL, UXBRIDGE, and REDHILL COUNTY HOSPITAL, EDGWARE. Candidates must be registered Medical Practitioners who have held the posts of both house physician and house surgeon at a general hospital, and have had considerable all-round experience.

Salary £350 per annum, with board, lodging, and laundry, valued at £100 per annum.

The officers appointed will be required to deal with casualties and admissions to the hospital, and to carry out such other duties as may be allotted to them.

The appointments do not carry any superannuation rights, will be subject to medical examination, are for a period of six months in the first instance, may be extended for an additional six months, and are terminable by one month's notice on either side.

The officers appointed will work under the direction of the Medical Superintendent and will devote their whole time to official duties.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 2nd October. Application forms are not provided. Envelopes must be endorsed "Casualty Medical Officer, Hillingdon County Hospital" or "Redhill County Hospital," as the case may be. Relationship to any member or officer of the Council must be disclosed in the application.

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1,
8th September, 1937.

## County Council of Middlesex.

RESIDENT ASSISTANT MEDICAL OFFICERS.

Applications are invited for the appointment of three Resident Assistant Medical Officers, two for duty at WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH, and one at HILLINGDON COUNTY HOSPITAL, UXBRIDGE. Candidates must be registered Medical Practitioners, who have held resident appointments in a general hospital.

Special experience in surgery is required for the Isleworth appointments. The officer appointed to Hillingdon will act as an anæsthetist.

The officers appointed will work under the direction of the Medical Superintendent, and will devote their whole time to official duties.

Salary £400 per annum, rising by annual increments of £25 to £475 per annum, with board, lodging, and laundry, valued at £100 per annum.

The appointments, which will be subject to medical examination, will be held during the pleasure of the Council, and are terminable by one month's notice on either side.

The appointments, which do not carry any superannuation rights, are for a period of four years, at the end of which period the officers will leave the Council's service. In a special case the Council may decide to retain an officer on the established staff, in which case the salary will be increased to a maximum of £500.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 2nd October. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, West Middlesex County Hospital" or "Hillingdon County Hospital" as the case may be. Relationship to any member or officer of the Council must be disclosed in the application.

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1,
8th September, 1937.

## The London Homœopathic Hospital,

Great Ormond-street and Queen-square,
Bloomsbury, W.C.1.
(A General Hospital of 200 Beds.)

The Board of Management invite applications for the appointment of PHYSICIAN FOR DISEASES OF CHILDREN.

Applicants must possess a registrable University Degree and the successful candidate must be or become a Member of the British Homœopathic Society. It is required that successful candidates for posts on the Honorary Medical and Surgical Staff of the Hospital should show evidence of knowledge of the Theory and Practice of Homœopathy within one year of appointment by having attended one or more of the Systematic Courses of Lectures at the Hospital.

In the event of a member of the Honorary Staff of the Hospital being appointed, candidates are asked to state whether they are prepared to stand for the appointment of Assistant Physician for Diseases of Children.

Candidates will be required to attend a meeting of the Medical Committee on a date in October to be announced later.

Applications, stating age, with thirty-five copies of application and thirty-five copies of each testimonial, should be sent not later than the 30th September, 1937, to the undersigned, of whom further particulars may be obtained.

L. J. KNOWLES, Secretary.

## Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL),
City-road, E.C.1.

HONORARY ASSISTANT PHYSICIAN.

Applications are invited for the office of Honorary Assistant Physician to the above Hospital.

Candidates must be Fellows or Members of the Royal College of Physicians of London.

Canvassing is not permitted. Candidates are requested to send applications with copies of testimonials to the Members of the Committee of Management and the acting Medical and Surgical Staff, whose names and addresses can be obtained on application to the Secretary.

Applications, stating age, with copies of not more than three testimonials, must be received by the undersigned not later than the 7th October, 1937.

A. J. M. TARRANT, Secretary.

## Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the following post:—

CASUALTY OFFICER (Locum) vacant 1st November, 1937.

The appointment is for three months with salary at the rate of 4 guineas a week, with board, residence, and laundry. Forms of application and rules can be obtained from the undersigned.

Applications, with copies of testimonials, should be sent on or before 1st October to—

GILBERT G. PANTER, Secretary.

## Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Candidates must be registered Medical Practitioners of at least two years' standing and have held at least two previous house appointments. Preference will be given to candidates experienced in Practical Operative Surgery.

The appointment is for one year from the 9th November, 1937. Particulars concerning remuneration and emolument (amounting to approximately £370, with board and residence) together with forms of application and rules can be obtained from the undersigned.

Applications, with copies of testimonials, should be sent on or before October 8th to—

GILBERT G. PANTER, Secretary.

## Central London Throat, Nose, and Ear

HOSPITAL, Gray's Inn-road, W.C.1.

RESIDENT HOUSE SURGEON (Male).

There will be a vacancy for a Third Resident House Surgeon to enter on duty on October 1st, 1937. The appointment will be for a period of nine months; three months as Third House Surgeon, three months as Second House Surgeon and three months as First House Surgeon. Remuneration at the rate of £75 per annum.

Applications, accompanied by copies of not more than three testimonials, should be sent to the undersigned as soon as possible.

JOHN H. YOUNG, Secretary-Superintendent.

## Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the posts of TWO OUT-PATIENT OFFICERS to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officers will be appointed for a period of one year and will be eligible for reappointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 30th September, 1937.

A. J. M. TARRANT, Secretary.

## London County Council.

TEMPORARY DISTRICT MEDICAL OFFICERS REQUIRED FOR THE FOLLOWING DISTRICTS:—

(1) Area III, District I (part Lower Holloway and part Highbury). Provisional salary £135.
(2) Area V, District D (East Fulham). Provisional salary £160.
(3) Area VIII, District L (part Peckham, Dulwich, and Sydenham). Provisional salary £222 10s.

Persons engaged required to carry out duties prescribed by Public Assistance Order, 1930, and to reside in or near district. Engagement until 31st March, 1938, in first instance. Remuneration and conditions subject to review.

Application form obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2 B, County Hall, S.E.1, returnable by 4th October.

Canvassing disqualifies.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.

*(a) FULHAM HOSPITAL, St. Dunstan's-road, Hammersmith, W.6.—(Two positions).—(1) Duties mainly Surgical, experience in Fracture work essential. (2) Medical duties, Obstetrical experience essential.

*(b) LEWISHAM HOSPITAL, Lewisham, S.E.13. Maternity, Gynæcological and Surgical duties.

*(c) ST. CLEMENT'S HOSPITAL, 2A, Bow-road, E.3.—Medical duties. Experience in Mental Diseases essential.

(d) ST. GILES' HOSPITAL, Brunswick-square, S.E.5.—Gynæcological and Obstetrical duties.

(e) ST. JAMES' HOSPITAL, Ouseley-road, Balham, S.W.12.—Experience in Children's Diseases essential.

*(f) ST. NICHOLAS' HOSPITAL, Plumstead, S.E.18.—Duties mainly Surgical, experience in Midwifery desirable.

ASSISTANT MEDICAL OFFICERS (Grade II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

*(g) LAMBETH HOSPITAL, Brook Drive, S.E.11.—Duties mainly Medical.

*(h) LEWISHAM HOSPITAL, Lewisham, S.E.13.—(Two positions).—(1) Duties mainly Medical. (2) Maternity, Gynæcological, and Surgical duties mainly.

(i) PADDINGTON HOSPITAL, Harrow-road, W.9.—Duties mainly medical.

*(j) QUEEN MARY'S HOSPITAL, Sidcup, Kent.—Duties mainly Medical, some Surgical experience desirable.

(k) ST. JAMES' HOSPITAL, Ouseley-road, Balham, S.W.12.—Duties Obstetrical and Gynæcological, including Anæsthetics.

*(l) ST. MARY, ISLINGTON, HOSPITAL, Highgate Hill, N.19.—(Two positions).—Duties mainly medical, experience in Anæsthetics desirable for both positions.

*(m) ST. STEPHEN'S HOSPITAL, 369, Fulham-road, S.W.10.—Duties mainly Medical, experience in Anæsthetics desirable.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2 BT, County Hall, S.E.1, returnable by 4th October.

Canvassing disqualifies.

## London County Council.

PUBLIC HEALTH DEPARTMENT.

Applications are invited for two vacant positions of Part-time OBSTETRICIAN and GYNÆCOLOGIST. Appointments will be to the hospital service of the Council but in the first instance one of the appointed officers will be allocated to DULWICH and ST. GILES' (Camberwell) Hospitals and the other to ST. MARY, ISLINGTON, ARCHWAY (Highgate) and HIGHGATE Hospitals. Remuneration £800 a year and £600 a year respectively. Each officer will be responsible, subject to the general administrative supervision and control of the medical superintendents, for the whole of the obstetric and gynæcological work at the hospitals to which he is attached (there are no maternity beds at Archway and Highgate Hospitals). Each officer will be required to live within a reasonable distance of these hospitals and to visit them daily and as required (weekly and as required in the case of Archway and Highgate Hospitals).

Application forms containing further particulars (stamped addressed envelope necessary) from the Medical Officer of Health (S.D.6), County Hall, Westminster Bridge, S.E.1. Forms returnable by 24th September. Canvassing disqualifies.

## Saint Mary's Hospital for Women and

CHILDREN, Plaistow, E.13.

Applications are invited for the posts of RESIDENT SURGICAL OFFICER and RESIDENT HOUSE PHYSICIAN (vacant November 1st), Male or Female. The appointments are for six months and will expire on 30th April. Board and residence are provided. Salaries at the rate of £155 and £150 per annum respectively, including £5 allowance for laundry. Personal canvassing not desired.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than 5th October.

A. ERNEST WILKES, Secretary.



## London County Council.

Applications invited from Medical Practitioners with appropriate qualifications for the appointment of ASSISTANT PATHOLOGIST in the Council's pathological service. Salary £650–£25–£800.

For appointments in the Group Laboratories candidates should have special experience in one or more branches of pathology in relation to the diagnosis and treatment of disease.

For the appointment at the Central Histological Laboratory advanced experience in morbid histology and post-mortem work is essential.

Forms of application and further particulars (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, Westminster Bridge, S.E.1, returnable by 24th September, 1937.

Canvassing disqualifies.

## Victoria Hospital for Children,

Tite-street, Chelsea, S.W.3. (138 Beds.)

The Committee of Management invite applications for the post of HOUSE SURGEON for the period 4th October, 1937, to 31st January, 1938, with possibility of another appointment. Salary at the rate of £100 per annum, with board, lodging, and washing. Candidates must attend the Hospital for the purpose of an interview on Tuesday, 28th September, 1937, at 5 P.M. They must be registered under the Medical Acts.

Applications, with copies of three recent testimonials, should be sent to the Secretary not later than first post on Monday, 27th September, 1937.

D. ST. JOHN BAMFORD, Secretary.

## Albert Dock Hospital,

Connaught-road, E.16. (Seamen's Hospital Society.)

RESIDENT MEDICAL OFFICER required for six months from 1st October. Salary £110 per annum and a proportion of fees, with board, residence, and laundry. Candidates must be male.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10.

## Dreadnought Hospital,

Greenwich, S.E.10 (Seamen's Hospital Society).

Applications are invited for the non-resident post of RECEIVING ROOM OFFICER (Male), for six months from the 18th October. Salary £200 per annum, with lunch and tea. Hours of attendance: week-days 9 A.M. to 5 P.M., Saturdays 9 A.M. to 12 noon.

Applications, stating age, nationality, and experience of previous House appointments, accompanied by copies of testimonials, to be sent in immediately to the undersigned.

26th August, 1937. F. A. LYON, Secretary.

## General Lying-in Hospital,

York-road, Lambeth, S.E.1.

Applications are invited for the post of JUNIOR RESIDENT MEDICAL OFFICER AND ANÆSTHETIST. Salary at the rate of £100 per annum, with board, residence and laundry. Appointment for three months, commencing 1st October. The successful candidate will, subject to satisfactory service, be required to succeed to the Senior Medical Officer's post for a further three months.

Applications, stating age and qualifications, with copies of three recent testimonials, to be sent to the Secretary not later than Monday, 27th September.

## County Borough of West Ham.

PLAISTOW FEVER HOSPITAL.

Applications are invited for the appointment of a Male SENIOR RESIDENT MEDICAL OFFICER at the above-mentioned Hospital.

The salary will be at the rate of £350 per annum, rising by annual increments of £25 to a maximum of £450 per annum, with residential allowances. The appointment is a designated post under the provisions of the Local Government and other Officers' Superannuation Act, 1922, and the statutory contributions under the Act will be deducted from the salary. The successful candidate will be required to pass a medical examination.

Candidates must have held a residential appointment in a general hospital, and preference will be given to candidates who have also had residential experience in a fever hospital.

Applications, accompanied by copies of three recent testimonials, must be made on forms obtained from the Deputy Medical Officer of Health, Municipal Health Offices, 88, Romford-road, Stratford, E.15, and returned to the Town Clerk, Town Hall, West Ham, E.15, not later than Monday, 27th September, 1937. CHARLES E. CRANFIELD, Town Clerk.

Town Hall, West Ham, E.15, 13th September, 1937.

## London Jewish Hospital,

Stepney Green, E.1.
GENERAL HOSPITAL. (109 Beds.)

RESIDENT MEDICAL OFFICER and HOUSE PHYSICIAN (Male) required immediately for the period to 31st May, 1938. Salary at the rate of £150 per annum.

Forms of application may be obtained from the Secretary.

## St. Thomas's Hospital Medical School.

DEPARTMENT OF ANATOMY.

Applications are invited for the whole-time post of SENIOR DEMONSTRATOR OF ANATOMY, to be received by the Dean of the Medical School on or before Saturday, 2nd October, 1937.

Salary £400 per annum, with superannuation.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock Hill, N.W.3.

APPOINTMENT OF CASUALTY MEDICAL OFFICER.

Applications are invited from unmarried registered Medical Practitioners for the position of CASUALTY MEDICAL OFFICER vacant on October 1st, at the Out-patient Department of the Hospital, Bayham-street, Camden Town.

The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.

Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should be directed to the Secretary.

## County Borough of Croydon.

PUBLIC HEALTH DEPARTMENT.
APPOINTMENT OF ASSISTANT MEDICAL OFFICER FOR OBSTETRICS.

Applications are invited from qualified Medical Men and Women for the post of Assistant Medical Officer for Obstetrics. Candidates must have had practical hospital experience in Gynæcology and Obstetrics, and of ante-natal and post-natal clinics.

The appointment will be for twelve months and the salary will be £300 per annum, with board, residence, and laundry, valued at £140 per annum. The successful candidate will have quarters at Mayday Hospital, Thornton Heath.

Opportunities will be given for the successful candidate to study for the Membership of the College of Obstetricians and Gynæcologists.

The officer appointed will be on the staff of the Medical Officer of Health, and work under his administrative supervision.

Application forms may be obtained from the Medical Officer of Health, Town Hall, Croydon, on receipt of a stamped addressed foolscap envelope, and should be returned to him not later than 11 A.M. on Monday, 27th September, 1937, together with copies of three testimonials of recent date.

Canvassing in any form is prohibited.

JOHN M. NEWNHAM, Town Clerk.

Town Hall, Croydon, 13th September, 1937.

## Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS. (155 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary is at the rate of £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated Hospitals and Out-patient Clinics, and commence on 1st November, 1937. The appointment will be for six months and may be renewed for a further six months.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary not later than 22nd September, 1937.

## The Children's Hospital,

King Edward VII Memorial,
BIRMINGHAM, 16.

RESIDENT MEDICAL OFFICER.
ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited for the above posts. Candidates for the post of Resident Medical Officer must be qualified and registered and have held a responsible Resident appointment at a teaching hospital. The salary is at the rate of £175 per annum, with board, residence, and laundry. The appointment is tenable for one year, as from 1st December, 1937, and the officer is eligible for re-election for a second year.

Candidates for the post of Assistant Resident Medical Officer must be registered and qualified, and have had previous experience in the diseases of children. The duties may include assistance in the Pathological Department. The salary is at the rate of £125 per annum, with board, residence, and laundry, and the appointment is tenable for one year as from 1st November, 1937.

Candidates should forward their applications, with Certificate of Registration, and any credentials which they may desire to offer, to the undersigned, on or before 2nd October, 1937.

HAROLD F. SHRIMPTON, House Governor.

September, 1937.

## Kent County Ophthalmic and Aural

HOSPITAL, MAIDSTONE.
(109 Beds.)

Applications are invited for the posts of SENIOR and JUNIOR OPHTHALMIC HOUSE SURGEONS, which become vacant on the 1st October next. Each appointment is for six months. Candidates must be duly qualified and registered medical practitioners, single, and of British birth and nationality, and should have experience of refractions. Salary at the rate of £250 and £200 per annum respectively, with board, residence, and laundry. The Hospital is recognised by the Examining Board for the D.O.M.S.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned. JOHN W. STRICKLAND, Secretary.

## Warneford General Hospital.

(164 Beds.)
LEAMINGTON SPA.

Required, a HOUSE PHYSICIAN. Also a HOUSE SURGEON. The appointments are for six months each. Salary £150 per annum, with board and laundry. The Hospital is recognised by the Royal College of Surgeons of England under paragraphs 21 and 23 of the Fellowship Regulations.

Applications from qualified Registered Medical Practitioners (single men only) should be sent with copies of three recent testimonials to the undersigned on or before 20th September, 1937.

EDWARD L. WIRGMAN, House Governor and Secretary.

## Warneford General Hospital,

LEAMINGTON SPA.

CASUALTY OFFICER and JUNIOR HOUSE SURGEON (combined post) required. Duties to commence at once. Six months appointment, renewable. Salary £150 per annum, with board, residence, and laundry.

Candidates must be qualified, registered under the Medical Acts, and unmarried.

Applications, with copies of recent testimonials, should be sent to the undersigned.

EDWARD L. WIRGMAN, House Governor and Secretary.

## Royal Surrey County Hospital,

GUILDFORD.
(216 Beds.)

Wanted, 1st October, 1937.
HOUSE PHYSICIAN (Male).

Six months' appointment: duties, House Physician and Part-time Casualty Officer. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary Superintendent not later than 21st September, 1937.

## King George's Sanatorium for

SAILORS, LIPHOOK, HANTS (Seamen's Hospital Society) for the Treatment of Pulmonary and Non-Pulmonary Tuberculosis.—ASSISTANT MEDICAL OFFICER (single, male or female) required as from the 15th October for six months. Salary at the rate of £200 per annum in the first instance.

Applications, with copies of not less than three testimonials, to be sent in on or before the 24th September to undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

Greenwich, 27th August, 1937.

## County Borough of Brighton.

BRIGHTON MUNICIPAL HOSPITAL.

THIRD RESIDENT ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above post at the Brighton Municipal Hospital, which is a General Hospital containing 620 beds.

Salary £300 per annum, with board, residence, and laundry provided.

The appointment is a whole-time one and will be for a period of one year.

Candidates must have held a house physician's appointment at a recognised hospital and preference will be given to those who, in addition, have had practical experience of anæsthetics and maternity work. The candidate must be single.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Particulars and forms of application can be had from the undersigned.

Latest date for receipt of applications 27th September, 1937.

JAS. H. ROTHWELL, Town Clerk.

September, 1937.

## City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES
(600 Beds).

APPOINTMENT OF TWO RESIDENT ASSISTANT MEDICAL OFFICERS.

The Public Health Committee invites applications from registered Medical Men for the post of Resident Junior Assistant Medical Officer (Grade 2) at the Monsall Hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital, and have taken the Diploma in Public Health, or have special experience in Bacteriology, and who have had previous experience in fevers.

The salary for the appointments is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointments will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 25th September, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 3, 6th September, 1937.

## County Borough of Smethwick.

SENIOR ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

The Council invite application from qualified Medical Men for the combined post of Senior Assistant Medical Officer of Health and Assistant School Medical Officer. The officer will rank next in seniority to the Deputy Medical Officer of Health.

The salary will be at the rate of £650 per annum, rising by £25 per annum to a maximum of £800 per annum. The officer will be required to reside at the Isolation Hospital and a deduction of £150 per annum will be made in respect of board, residence, and laundry.

The officer appointed will work under the general supervision and control of the Medical Officer of Health and School Medical Officer, and will be required to render assistance in the general work of the department. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the selected candidate will be required to pass a medical examination.

Forms of application may be obtained from the Medical Officer of Health, Public Health Department, Hales Lane, Smethwick, to whom application endorsed "Senior Assistant Medical Officer of Health and School Medical Officer," and accompanied by copies of three recent testimonials, must be delivered not later than first post on 25th September, 1937.

Canvassing directly or indirectly will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 6th September, 1937.

## Hull Corporation Health Department.

ASSISTANT MEDICAL OFFICER OF HEALTH
For Port Sanitary Work.

Applications are invited from duly qualified Medical Men, under the age of forty years, and of not less than three years' standing in their profession, for the appointment of an Assistant Medical Officer of Health at a salary of £600 per annum, rising by annual increments of £25 to £700 per annum.

Candidates must hold a registered degree or diploma in State Medicine or Public Health.

The person appointed will be engaged primarily on routine Port Sanitary Work, Medical Inspection of Aliens, Bacteriological Work, and the Control of Infectious Diseases, but may be called upon to do work in any other department of the Public Health Services, in accordance with the Corporation's scheme for the interchange of medical staff.

Experience in Port Sanitary Work and Infectious Diseases will be considered important qualifications for the appointment.

The appointment may be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Applications, on forms to be obtained from the undersigned, with copies of not more than three recent testimonials, are returnable not later than noon on Thursday, September 23rd, 1937.

NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department, Guildhall, Hull, September, 1937.

## Scarborough Hospital, Yorkshire.

(140 Beds.)

Wanted.—Two Female HOUSE SURGEONS—one to take up duties on October 18th, 1937, and one to take up duties on November 1st, 1937.

The appointment to be until April 30th, 1938.

Salary at the rate of £150 per annum, together with board residence, laundry, &c.

Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent to the Hon. Secretaries not later than the first post on September 21st, 1937.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE PHYSICIAN. The appointment will be for six months from 1st October, 1937, but is terminable at an earlier date by one month's written notice on either side. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Tuesday, 21st September, 1937.

J. A. BEARDSALL, Secretary-Superintendent.

## Bristol General Hospital.

RESIDENT SURGICAL OFFICER and REGISTRAR (Male).—The Committee invites applications for the appointment. Salary at the rate of £200 per annum (plus estimated emoluments of £200 per annum), with board, residence, &c., provided in the Hospital. Candidates must be registered under the Medical Acts, and produce testimonials of good personal character and ability. The duties attaching to the post are chiefly surgical, but being also in part administrative, experience in this direction is therefore essential.

Applications, accompanied by copies of testimonials, three of which must preferably be given in support of the application, to be forwarded to the undersigned on or before Saturday, October 9th from whom forms of application and copies of the duties may be obtained.

The Hospital contains 273 beds, and is a School of Medicine attached to the University of Bristol.

THOMAS W. GREGG, F.C.C.S., Secretary.

## Glasgow Corporation Mental Hospitals

SERVICE.—JUNIOR ASSISTANT PHYSICIAN wanted for HAWKHEAD MENTAL HOSPITAL. Salary commencing £300, with board, apartments and laundry. The Hospital is in outskirts of Glasgow and offers excellent facilities for research work.—Apply to Medical Superintendent, Hawkhead Mental Hospital, 510, Crookston-road, Glasgow, S.W.2.

## The Dewsbury and District General

INFIRMARY, DEWSBURY.

The Post is a recognised one by the Royal College of Surgeons (England).

Applications are invited for the post of SENIOR HOUSE SURGEON (Male). Salary £200 per annum, with board, residence and laundry.

The Infirmary is a new Voluntary Hospital of 100 Beds, and has the usual Special Departments, with Visiting Consulting Specialists in attendance.

Applications, stating age and hospital experience, together with copies of recent testimonials, to be sent as immediately as possible to my office.

FRED SMITH, Secretary-Superintendent.

## City of Dublin Skin and Cancer

HOSPITAL
(Incorporated by Royal Charter),
Hume-street.

DEEP X RAY AND RADIUM THERAPIST.

Above whole-time appointment to fill vacancy occurring shortly. Applications are desired from Medical Practitioners who possess the qualification of D.M.R.E. or D.M.R. or equivalent practical experience. Salary £500 per annum with allowances. Copies of testimonials are required.

Full particulars may be obtained by application to "The Secretary."

## Royal Albert Edward Infirmary and

DISPENSARY, WIGAN.
(180 Beds.)

A vacancy occurs for an HONORARY ASSISTANT SURGEON, who must be legally registered to practise Medicine and Surgery, and reside preferably within six miles of the Infirmary.

Applications, with copies of two recent testimonials, stating age, qualifications, &c., to reach the undersigned (from whom further information can be obtained) by Monday, October 4th. Canvassing will be a disqualification.

By Order of the Board of Management,

A. STANLEY BRUNT,
General Superintendent and Secretary.

September 9th, 1937.

## Lancashire County Council.

PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE, ASHTON-UNDER-LYNE, near MANCHESTER.

APPOINTMENT OF JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Junior Resident Medical Officer at the above Hospital and Institution, comprising 300 and 525 beds respectively.

The Hospital is recognised as a complete training school for nurses.

Candidates must be unmarried.

Salary at the rate of £225 per annum, together with the usual residential emoluments.

The appointment will, in the first instance, be for a period of six months, the successful applicant being eligible for reappointment for a further period of six months at the end of that period.

Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Wednesday the 6th October, 1937.

GEORGE ETHERTON, Clerk of the County Council

County Offices, Preston, 9th September, 1937.

## City of Coventry.

MUNICIPAL GENERAL HOSPITAL.

The Public Health Committee invite applications from duly registered Male Medical Practitioners in connexion with two vacancies for ASSISTANT RESIDENT MEDICAL OFFICERS at the above Hospital (324 beds). The Hospital includes medical, surgical, obstetric, and children's wards.

Each appointment will be for a period of one year. The salary will be at the rate of £250 per annum for the first six months and at the rate of £300 per annum for the second six months, with board, residence, and laundry. The officers appointed will be required to pay to the Corporation any fees received in connexion with their official work.

Applications, accompanied by copies of three recent testimonials, must reach the undersigned not later than first post on September 28th, 1937.

A. MASSEY, Medical Officer of Health.

The Council House, Coventry, 11th September, 1937.

## Salford Royal Hospital.
(256 Beds.)

The Board of Management invites applications from duly registered Medical Practitioners for the appointment of HONORARY DERMATOLOGIST.

Applications, accompanied by certificates of age and of registration, and by not more than six testimonials, must be delivered to the undersigned (from whom all details of duties may be obtained) on or before 30th instant.

By Order of the Board,
H. B. SHELSWELL, General Superintendent and Secretary.
13th September, 1937.

## Wingfield-Morris Orthopædic Hospital,
HEADINGTON, OXFORD.

RESIDENT HOUSE SURGEON (Male) required. Salary £100 per annum. Duties to commence 1st November, 1937.

Applications, with testimonials, should be sent to the Secretary, Commander J. T. HENDERSON, R.N. (ret.), before October 15th.

## Wanted in January (Resident)
PHYSICIAN at RUTHIN CASTLE, NORTH WALES. Must have held House office. Salary £200 per annum, with board and lodging. Quarters provided in or near the Castle. Appointment may be renewed at the end of six months.

Apply, stating age, experience, and giving personal references to Secretary, Ruthin Castle, North Wales.

## Victoria Hospital, Burnley.
(150 Beds.)

HOUSE PHYSICIAN (Male)

Applications are invited for the above post, which will become vacant on the 30th September. The duties include the giving of a certain number of anæsthetics. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period reappointment may be applied for, and if granted, the salary for the second six months will be at the rate of £200 per annum.

Applications, giving full details of qualifications and experience, stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

## Royal Berkshire Hospital, Reading.
(338 Beds.)

Applications are invited for the following resident appointments which fall vacant on November 1st, 1937:—

One HOUSE PHYSICIAN (Male).
One HOUSE SURGEON TO THE SPECIAL DEPARTMENTS (Eye, Ear, Nose and Throat) (Male).
One HOUSE SURGEON (Male).

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned on or before October 9th, 1937.

H. E. RYAN, Secretary and House Governor.

## Royal Hampshire County Hospital,
WINCHESTER. (167 Beds.)

HOUSE SURGEON.

Applications are invited from fully qualified Men for the above post, to take up duties on 1st November next. Six months appointment. Salary £125 per annum, with board, residence and laundry.

Candidates, who must be of British nationality, to make application to the undersigned, enclosing copies of three testimonials. HERBERT MASLEN, Secretary.

13th September, 1937.

## Manchester Ear Hospital,
Grosvenor-square, All Saints'.

The Board invite applications for the post of RESIDENT HOUSE SURGEON. (31 Beds.) Salary £120 per annum. Candidates must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Sec., Manchester Ear Hospital), c/o Mr. W. J. ELLAM, 17, Brazennose-street, Manchester, 2.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the following post (Male):—

SECOND CASUALTY OFFICER, vacant October 8th.

Salary at the rate of £150 per annum, plus board, residence, and laundry.

In addition to carrying out duties in the Casualty Department the Officer appointed will act as House Surgeon to one of the Honorary Assistant Surgeons, and will thus obtain Ward and Theatre experience. He will be eligible for promotion to a more senior post when a vacancy occurs.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

13th September, 1937. R. J. CARLESS, House Governor.

## Barrowmore Tuberculosis Sanatorium
AND SETTLEMENT, GT. BARROW, CHESTER.

HOUSE PHYSICIAN (Male) required at once.

The appointment is for six months and is renewable. Salary £150 per annum, with board, residence, and laundry.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital and Sanatorium accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications marked "House Physician," with copies of three testimonials, should be sent to the Medical Director at the above address.

## Manchester Ear Hospital,
Grosvenor-square, All Saints'.

The Board invite applications for the post of RESIDENT HOUSE SURGEON. (31 Beds.) Salary £120 per annum. Candidates must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Sec., Manchester Ear Hospital), c/o Mr. W. J. ELLAM, 17, Brazennose-street, Manchester, 2.

## North Riding Infirmary,
MIDDLESBROUGH.

The General Board invite applications for the post of HONORARY DENTAL SURGEON.

Applications, stating age, qualifications, and experience, accompanied by copies of three testimonials, should be sent to the undersigned not later than Monday, 27th September, 1937.

By Order of the Board,
GERALD A. KENYON, Secretary-Superintendent.

## Taunton and Somerset Hospital
(104 Beds), TAUNTON.

HOUSE PHYSICIAN (Male) required at once. Senior House Medical Officer and a House Surgeon also in residence. Three or six months' appointment. Salary, rate of £100 per annum, board, residence, and laundry, and retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary.

## Worthing Hospital.

Applications are invited for the post of HOUSE PHYSICIAN, vacant on the 1st October. The appointment is for six months. Salary at the rate of £130 per annum, with board, lodging, and laundry.

Candidate (Male) should forward application, stating age, nationality, qualifications, and experience, accompanied by testimonials, to the undersigned.

A. V. OAKTON, Secretary-Superintendent.

10th September, 1937.

## The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE SURGEON REQUIRED (General Surgery). The Hospital contains 300 Beds, includes the usual special departments and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

Wolverhampton, 13th September, 1937.

## Princess Alice Memorial Hospital,
EASTBOURNE.
(Voluntary General Hospital. 120 Beds. Two House Surgeons.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male) vacant on 9th October, 1937. Salary at the rate of £150 per annum, with board and laundry.

Applications, with copies of three recent testimonials, should be delivered to the undersigned by first post on Wednesday, 29th September, 1937.

W. RUSSELL RUDALL, Secretary.

13th September, 1937.

## The Royal Infirmary, Bradford.

TWO HOUSE PHYSICIANS and FOUR HOUSE SURGEONS (Male), wanted for 1st November. Six months' appointments.

Candidates must be single and legally qualified.

Salary £150 per annum, with board, residence, and washing.

There are 345 Beds and nine Resident Officers.

Applications, stating age, qualifications and previous experience, with copies of recent testimonials, should be sent to the undersigned not later than Monday, 4th October.

H. TRUSSON, F.C.I.S., House Governor-Secretary.

## Royal Albert Edward Infirmary
AND DISPENSARY, WIGAN. (180 Beds.)

Wanted for twelve months, commencing October 1st, 1937, RESIDENT MEDICAL AND SURGICAL OFFICER AND REGISTRAR. Candidates must have held previous resident appointments at a Hospital. Preference will be given to those possessing the F.R.C.S. or M.S. Degree. The salary is at the rate of £250 per annum, with board, residence, and laundry.

Applications, giving proof of registration and not more than three testimonials, to be sent to the undersigned as soon as possible.

A. STANLEY BRUNT,
General Superintendent and Secretary.

## County Council of Durham.
EDUCATION DEPARTMENT.

ASSISTANT OCULIST. Applications are invited for the post of Assistant School Oculist to the Education Committee. Candidates must be skilled Refractionists and must also have occupied the post of House Surgeon in an eye hospital or in the eye department of a general hospital for a period of not less than six months. Commencing salary £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum, with travelling expenses in accordance with the County Regulations.

The person appointed will hold an established post under the Local Government and Other Officers' Superannuation Act, 1922, and will be subject to the provisions of that Act. He (she) will be required to devote his (her) whole time to the duties of the office and to reside at a place to be approved by the Education Committee. The appointment will be subject to three calendar months' notice on either side, expiring on the last day of any calendar month.

Canvassing, directly or indirectly, is prohibited and will disqualify.

Forms of application to be returned not later than Saturday, 9th October, 1937, can be obtained from the Director of Education, Shire Hall, Durham, on receipt of a stamped addressed foolscap envelope.

THOS. B. TILLEY, Director of Education.
Shire Hall, Durham, 13th September, 1937.

## Glengall Hospital for Mental Diseases,
AYR.

Wanted, JUNIOR ASSISTANT MEDICAL OFFICER (Male). General Practice or Hospital experience desirable. Salary £300 per annum (less contributions to superannuation fund) with board, lodging, and laundry.

Application, with copies of testimonials, to DR. MCRAE.

## General Infirmary, Salisbury.
(Voluntary Hospital.)
(191 Beds, now in course of extension to 225 Beds.)

HOUSE SURGEON (Male) required to commence duty at the end of September.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

## Royal Buckinghamshire Hospital,
AYLESBURY.
(In course of extension to 120 Beds.)

Applications are invited for the following posts:—
(i) SENIOR RESIDENT MEDICAL OFFICER, salary £200 per annum;
(ii) JUNIOR RESIDENT MEDICAL OFFICER, salary £150 per annum.

Board, residence, and laundry provided.

Candidates must be fully qualified and registered. Previous experience in Hospital appointment desirable, as well as in administration of Anæsthetics.

Senior appointment vacant 1st October, and junior appointment vacant about 30th October, each for six months and renewable.

Junior eligible to fill senior post when vacant.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned by September 20th.

F. G. DAWES, Secretary.

## Preston and County of Lancaster Royal
INFIRMARY.

The Board of Management invite applications from unmarried Gentlemen, properly qualified and registered, for the post of HOUSE SURGEON. Duties in the Casualty Department and resident care of the beds of the Orthopædic Surgeons and Assistant Surgeons.

Six months' appointment from the 1st October.

Accidents and casualties in 1936, 12,535.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, and qualifications, accompanied by copies of testimonials, to be forwarded as soon as possible to Mr. JOHN GIBSON, Superintendent and Secretary, Royal Infirmary, Preston.

14th September, 1937.

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## Doncaster Royal Infirmary.
(185 Beds.)

HOUSE PHYSICIAN (Male) required immediately. Six House Surgeons are resident. Salary at the rate of £175 per annum, with residence, board, and laundry.

This large industrial area offers excellent opportunities for gaining experience.

Applications, accompanied by not more than three testimonials, to be sent to the undersigned immediately.

R. LANCASTER, Secretary-Superintendent.

## The Royal Cripples Hospital,
BIRMINGHAM.
(306 beds and large Out-patient Department.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male) vacant immediately. Salary £200 per annum. The appointment, which is for a period of six months, is renewable on the discretion of the Medical Board, and is terminable by one month's notice on either side.

Candidates must be unmarried, and preference will be given to those with previous experience in General and Orthopædic Hospitals.

Applications, with copies of three recent testimonials, to be sent to the General Secretary, Royal Cripples Hospital, 80, Broad-street, Birmingham, 15.

## County Borough of Blackburn
PUBLIC ASSISTANCE DEPARTMENT.

Applications are invited from Medical Practitioners (Male) for the appointment of a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER at Queen's Park Hospital and Institution.

The Staff consists of a Resident Medical Officer, a Resident Assistant Medical Officer, a Consulting Surgeon, a Laboratory Assistant and an X Ray attendant.

There is a separate Infirmary, a separate Mental Block, and a separate Hospital for Children, and there is opportunity for experience in all departments including Medical, Surgical, and Midwifery cases. An X Ray apparatus is installed.

The person appointed will be required to devote his whole time to the duties and also to act as may be directed by the Resident Medical Officer.

The appointment will be limited to a term not exceeding one year.

Salary for the first six months at the rate of £150 per annum, and thereafter at the rate of £200 per annum, together with board, apartments, and attendance.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials, must reach the Public Assistance Officer, Public Assistance Offices, Cardwell-place, Blackburn, not later than 10 A.M. on the 29th September, 1937.

CHAS. S. ROBINSON, Town Clerk.
Town Hall, Blackburn, 14th September, 1937.

## Hove General Hospital, Hove.
(50 Beds.)

Applications are invited for the appointment (vacant October 1st) of SENIOR RESIDENT MEDICAL OFFICER (Male). Salary £150 per annum, with board, apartments, and laundry. The appointment offers excellent opportunities for surgical experience.

Applications, stating age and qualifications, together with three recent testimonials, to be forwarded to the undersigned as soon as possible. K. C. BOOKER, Secretary-Superintendent.

## Bristol Royal Infirmary.

Applications are invited for the post of SENIOR HONORARY ANÆSTHETIST. Candidates must be registered Medical Practitioners and hold a Diploma in Anæsthetics of the Conjoint Board of the Royal College of Physicians and Surgeons of England.

Applications, stating age, together with copies of not more than three recent testimonials, to be sent to the undersigned on or before October 16th, 1937.

ELLIS C. SMITH, F.C.I.S., Secretary and House Governor.

## City of Liverpool.
RESIDENT ASSISTANT MEDICAL OFFICERS.
BROADGREEN SANATORIUM (353 BEDS) and
FAZAKERLEY SANATORIUM (265 BEDS).

Applications are invited for the above appointments for a period of one year at a salary of £250 per annum, together with usual residential allowances. Candidates must possess a registered medical and surgical qualification, and it is desirable that they should have held previous appointments in a teaching hospital. Canvassing will be deemed a disqualification. Applications to be made on forms obtainable from the Medical Officer of Health, Municipal Annexe, Dale-street, Liverpool, to be endorsed "Residential Assistant Medical Officer" and returned to the undersigned so as to be received not later than Thursday, 30th September.

W. H. BAINES, Town Clerk.
Municipal Buildings, Dale-street, Liverpool, 2, Sept., 1937.

## The Royal Army Medical Corps
ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to respective employers.

**Typewriting.—Specialists in typing** Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

**Lady wishes to highly recommend** ERNEST KIDD, age 48, as Butler-Valet, Caretaker, or any position of trust: 24 years' reference.—Address, 20A, Allington-road, W.10.

**Wanted by F.R.C.S. Eng., aet. 30,** recently Resident Surgical Officer. A Surgical Partnership in hospital town, with opportunities for major surgery.—Address, No. 305, THE LANCET Office, 7, Adam-st., Adelphi, W.C.2.

**F.R.C.S. Ed., 40, good general experi-** ence, special interest children's diseases, wishes to hear of Practice or Share in good town where fox-hunting is favourably looked on. Capital available.—Address, No. 304, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**Wanted Indoor Assistant, Northern** Town. Young single man required. British. Some experience of general practice desired. Partnership in view.—Address, No. 302, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**Specialist in Harley Street needs** experienced General Practitioner as Partner to cope with rapidly increasing Practice. Premium 750 guineas.—BECKTON'S MEDICAL AGENCY, 18, Dix's-field, Exeter.

**Medical Practice wanted, near** Cambridge. Country preferred. Details in confidence to the National Medical Agency, Brown's Chambers, 63, Great George-street, Leeds, 1.

**Wanted, mixed Practice, large Panel** preferred. London or suburbs.—Address, No. 295, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**North-West Coast.—Practice** established 35 years. Held by vendor 28 years. Chiefly private, with 5 transferable appointments and small panel. Freehold house. Price for house and practice, £2,200.—Address, No. 300, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**For Sale.—Non-dispensing and Panel** PRACTICE: short Partnership introduction. Price £2000.—Dr. THOMPSON, Hoylake, Cheshire.

**North Devon.—Unopposed Country** PRACTICE averaging over £1,500. 800 panel, £115 appointments. Nice freehold house and garden. Also ASSISTANTSHIP with a view in Western City, £350 and house.—RONALD BECKTON & CO., LTD., Medical Agency, 18, Dix's-field, Exeter.

**Small Private Practice, Sheffield area.** Average receipts £426 10s. Visits 4s. upwards. Consultations 4s. upwards. Midwifery from £3 3s. Cash asked £500.—Apply, R. SUMNER AND CO., LTD., 40, Hanover-st, Liverpool, 1.

**Mental Specialist wishes to hear of** Private Nursing Home or Mental Institution in or near London where he could, under his own supervision, accommodate a limited number of patients.—Address, No. 303, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**Will any Doctor having a Lady** Patient who would benefit from a winter spent at high bracing spot in Devon write to advertiser. Terms £1 a week.—Mrs. ADAMS, Garner Wells, Manaton, Newton Abbot.

**London.—Cora Hotel,** Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.
Excellent table. A.A. and R.A.C. recommended.
Room, bath, and table d'hôte breakfast, 8s. 6d.
A few rooms 9s. 6d. and 10s. 6d. per person.

**Resident Patients.—Doctors desiring** accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

CONSULTING ROOM.

**Light Corner Room, ground floor, £125** per annum.—NORBERG, 1, Weymouth-street, W.1. LANgham 1812.

**Bath.—For Sale, Doctor's Corner** HOUSE; good garden; garage. Growing neighbourhood. No near opposition. £1200 freehold.—PEAKE, Brookleaze House.

**North London.—House in Splendid** Position suitable for a doctor, shortly to be to let.—Address, ROWLAND, c/o Daniels, Steeple Morden, Cambs.

EMINENTLY SUITABLE FOR NURSING HOME, &c.
By Order of Mortgagees.

**Laleham - on - Thames. — Well - built** attractive Freehold Detached RESIDENCE, "THE LALEHAM HOTEL," containing 18 bed., 3 bath., 5 recep., Ballroom. Fitted Club Room, Billiard Room. Excellent offices. Central heating. Ornamental gardens, garages, &c. All recently modernised and redecorated. Vacant Possession. For Sale by Auction, 30th September next, by ALLEN, OWEN & CO., 50–51, High Holborn, W.C.1. (Chancery 7001–2.)

*For available*

**CONSULTING ROOMS, PROFESSIONAL HOUSES AND FLATS**

**In Harley Street and the medical area generally including Mayfair**

**LEY CLARK and PARTNERS**

*Auctioneers, Surveyors, and Valuers*

**3a, WIMPOLE STREET, CAVENDISH SQUARE, W.1**

**Represented in Cannes, Nice, Monte Carlo**
**Telephone: LANgham 1095 (3 lines)**

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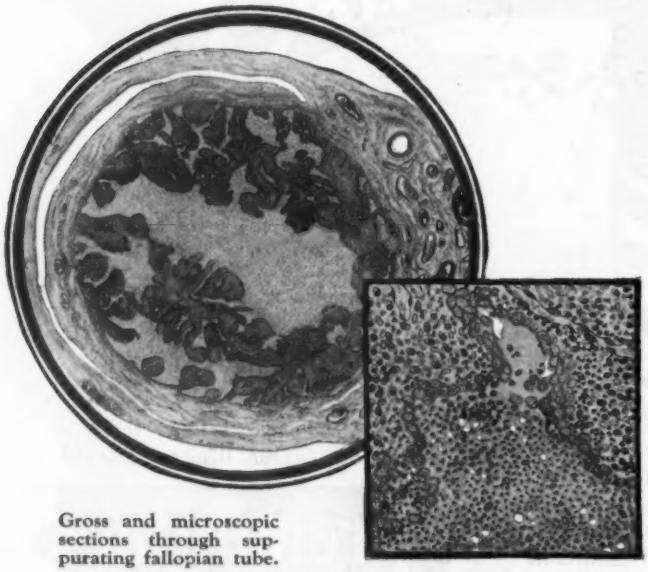

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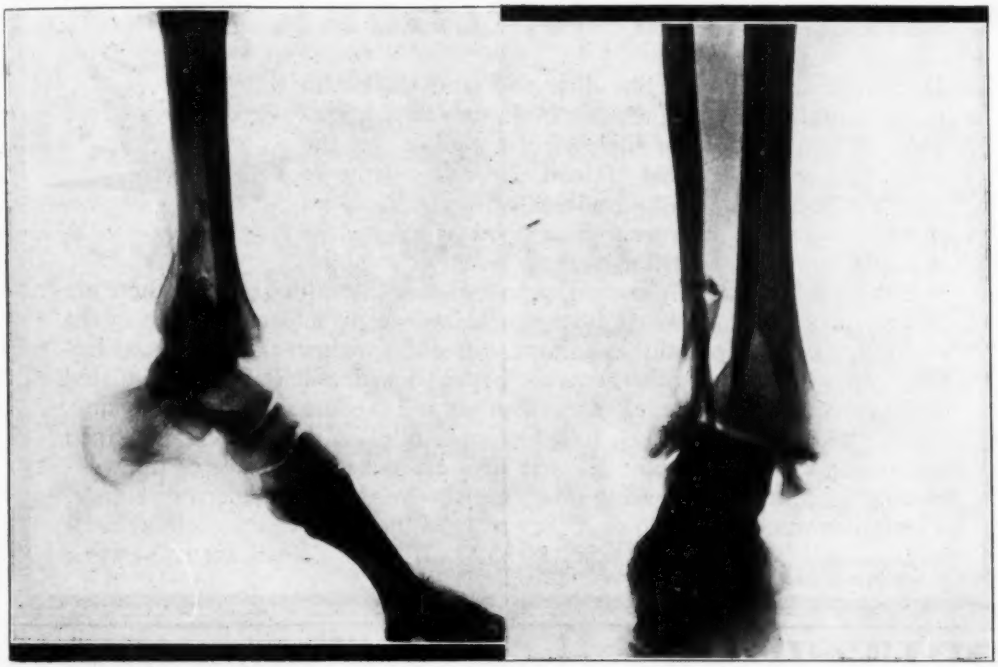

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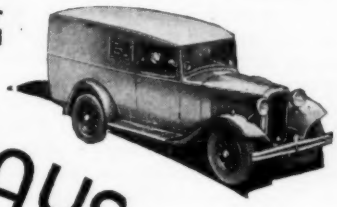

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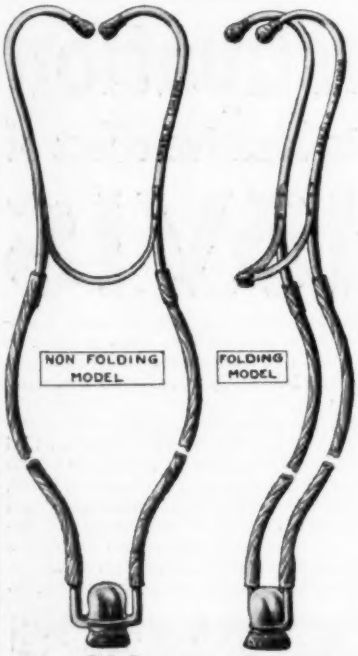


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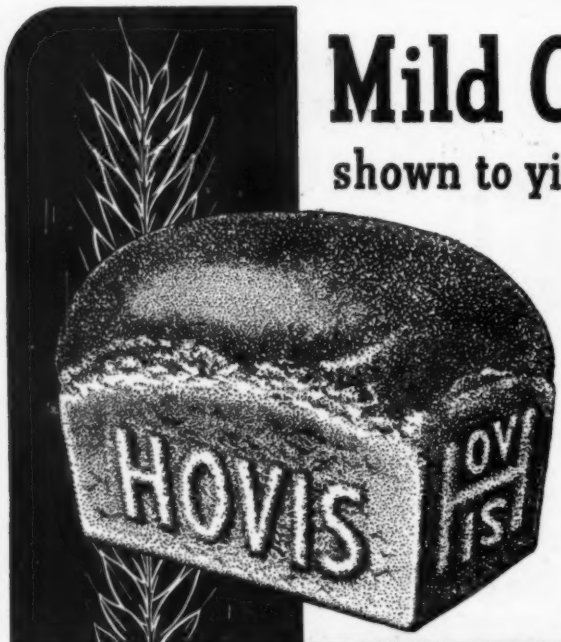


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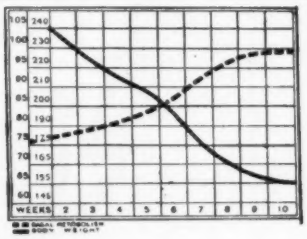


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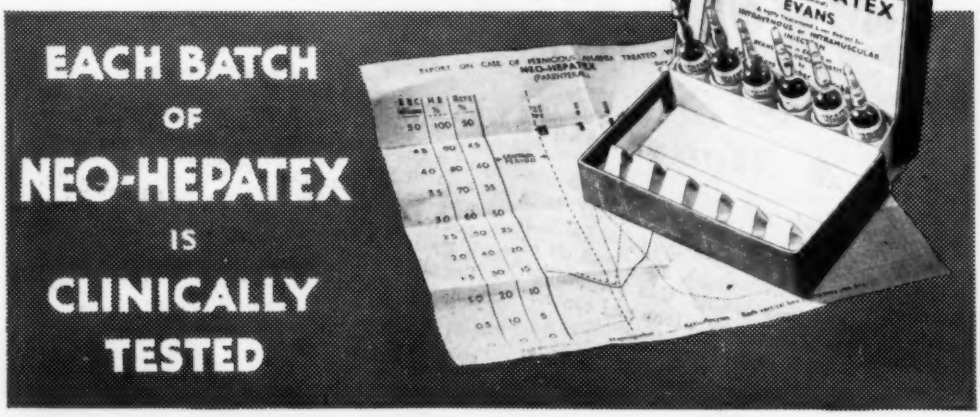


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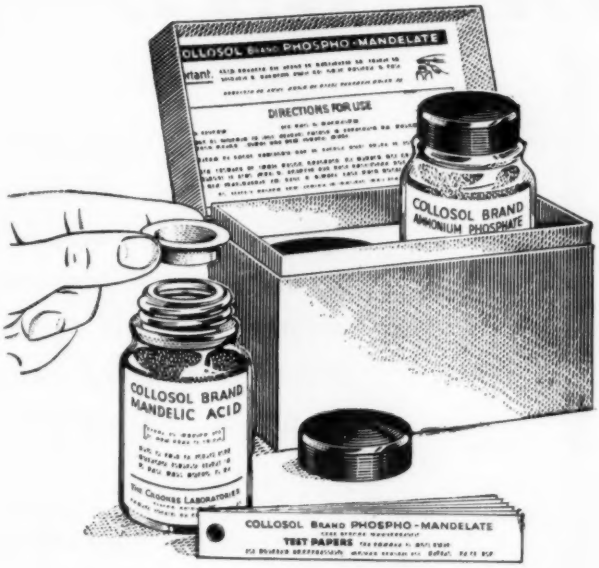


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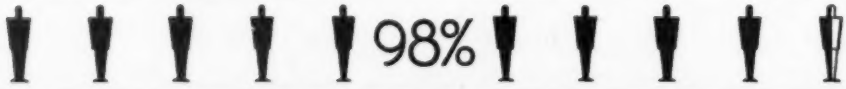


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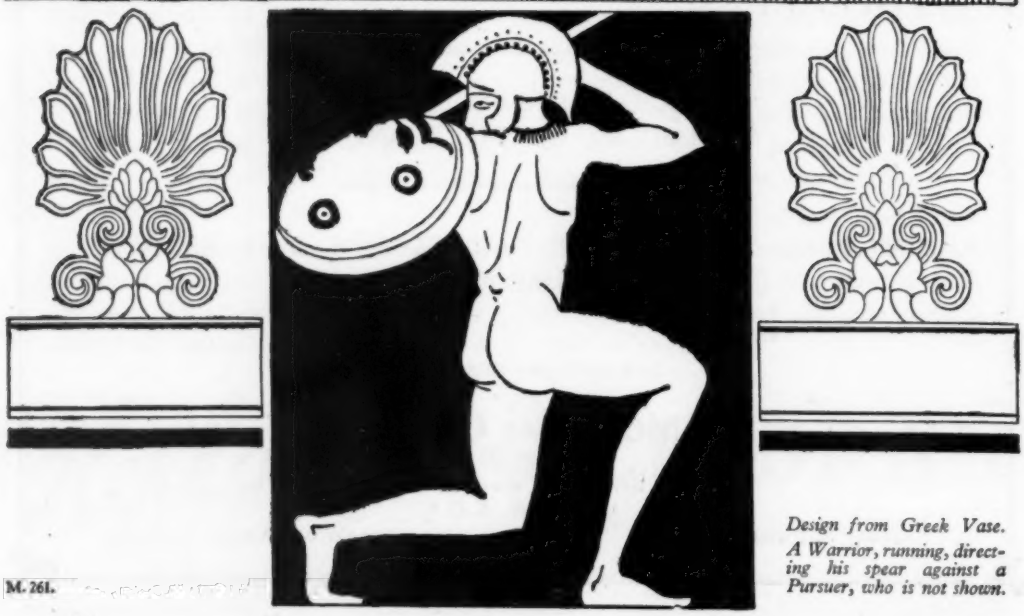

*Design from Greek Vase.*
*A Warrior, running, directing his spear against a Pursuer, who is not shown.*

M. 261.

# Convalescence

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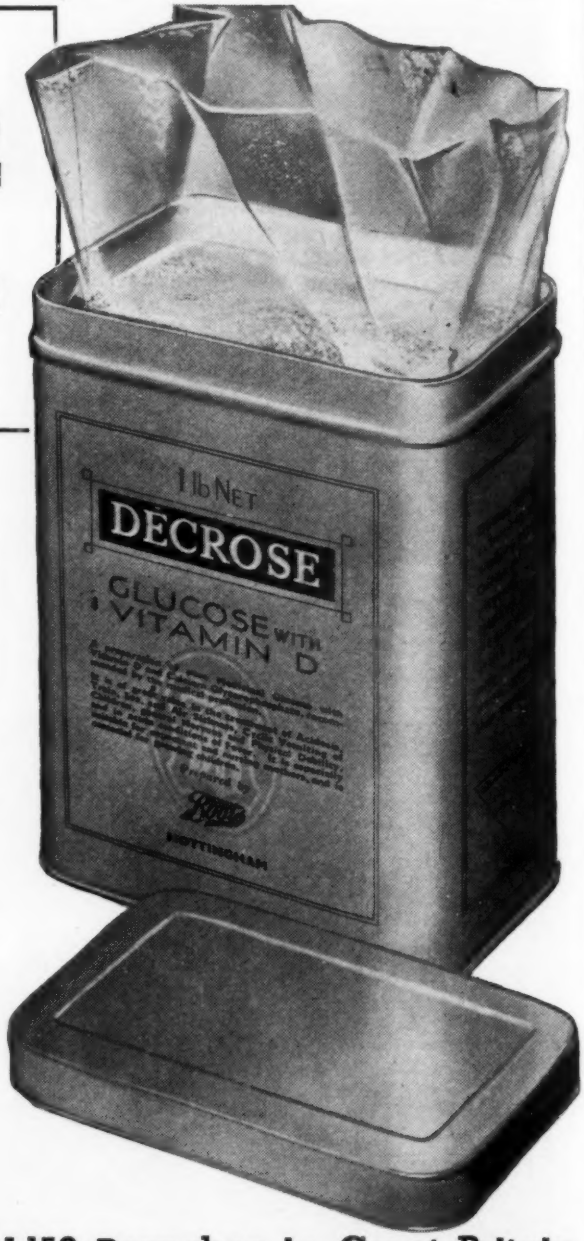


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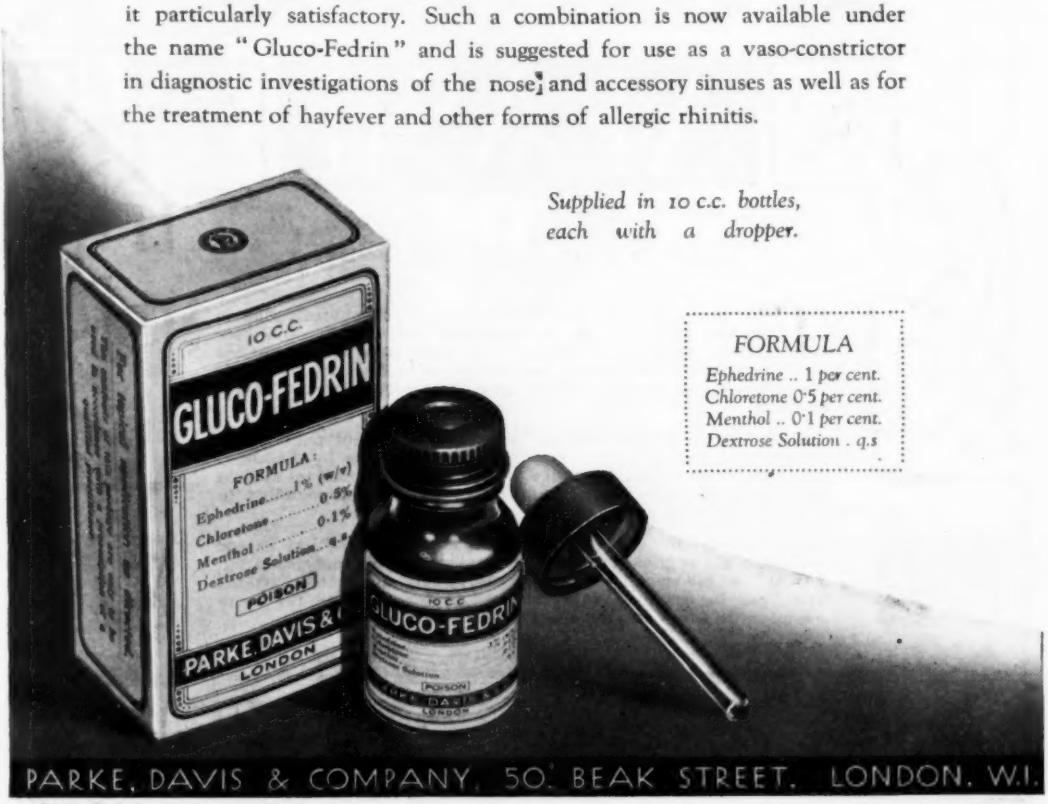


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In discussing the treatment of decomposition Feer says: "The period of repair may be shortened by giving suitable additional food; the best, probably, being buttermilk to which carefully regulated proportions of dextrin and maltose preparations or malt soup are added."—*E. Feer: Text-Book of Pediatrics, J. B. Lippincott Co., Phila., 1922, p. 284.*

In the treatment of infantile atrophy Fischer recommends the following: "The carbohydrate should be increased by gradual addition of dextri-maltose.

"Malt soup or dextrimaltose (Mead's) should be added in teaspoonful or more doses to each feeding until the point of carbohydrate tolerance is reached."—*L. Fischer: Diseases of Infancy and Childhood, F. A. Davis Co., Phila., 1925, V. 1, p. 285.*

Concerning the treatment in the case of a premature infant Fischer states: "Dried milk with water was given, which later was changed to whole milk, 14 ounces; water, seven ounces, and dextrimaltose No. 1, one and one-half ounces. Seven feedings of three ounces each every three hours was given. The above feeding was retained. The infant gained eight ounces at the end of the first week."—*L. Fischer: Clinical notes in a series of premature infants, Arch. Pediat. 44:227-231, April, 1927.*

Grulee, in discussing the treatment of decomposition says: "As a rule it is best to start with 2 to 2½ or 3 ounces of albumin milk to the pound weight in 24 hours; the sugar to be added is in the form of a maltose-dextrin mixture. One should never delay too long in adding this."—*C. G. Grulee: Infant Feeding, W. B. Saunders Co., Phila., 1922, p. 265.*

Referring to the hypotrophic infant Herrman writes: "In mild cases, the addition of dextrimaltose instead of cane or milk sugar may be sufficient to obtain a gain in weight."—*C. Herrman: The treatment of nutritional disorders in artificially-fed infants, New York M. J. 114:158-160, August, 1921.*

In discussing artificial feeding in athrepsia Hess states: "The carbohydrates are usually added in a slowly fermentable form, such as the maltose and dextrin compounds, which are usually started by the addition of four grams per kilogram (1/15 ounce per pound) and increased until eight grams or more per kilogram (¼ ounce per pound) of body weight are added."—*J. H. Hess: Feeding and the Nutritional Disorders in Infancy and Childhood, F. A. Davis Co., Phila., 1928, p. 278.*

Concerning the treatment of marasmus Hill says: "When the stools have become smooth and salve-like, carbohydrate, in the form of dextrimaltose, may be gradually added up to the limit of tolerance."—*L. W. Hill: Practical Infant Feeding, W. B. Saunders Co., Phila., 1922, p. 281.*

"A spasmophilic baby on bottle feeding should receive a limited amount of milk—a pint, or at the most 24 ounces in the 24 hours—to which cereal gruel and some form of sugar is added, preferably one of the malt dextrin preparations; also the early addition of other foods than milk to the baby's diet."—*M. Jampolis: Infantile spasmophilia, Interstate M. J. 25:652, Sept., 1918; abst. Arch. Pediat. 35:691, Nov. 1918.*

With reference to the treatment of diarrhea Lust writes: "After several days, 2% to 3% of a maltose-dextrin preparation may be added (Dextri-Maltose). This is preferable to the easily fermentable lactose or cane sugar."—*F. Lust: The Treatment of Children's Diseases, J. B. Lippincott Co., Phila., 1930, p. 145.*

"The treatment of artificially fed children in the first of these groups consists in putting them on a low fat dietary, and giving them carbohydrate in the form of one of the less fermentable sugars—e.g., dextrimaltose."—*L. G. Parsons: Wasting disorders of early infancy, Lancet, 1:687-694, April 5, 1924.*

Pearson and Wyllie in discussing the treatment of milder cases of inanition says: "Regulation of this disturbed organismal balance is obtained by the addition of carbohydrates, while fat and casein are reduced. For this purpose dextrimaltose and flour are better than the ordinary sugars, since they are more slowly absorbed and have greater efficacy in their powers of controlling the flora in the large intestine."—*W. J. Pearson, and W. G. Wyllie: Recent Advances in Diseases of Children, P. Blakiston's Son & Co., Phila., 1930, p. 116.*

Regarding the treatment of the marantic infant Raue states: "After the intolerance to sugar has been overcome a carbohydrate, preferably Dextri-maltose, may be added."—*C. S. Raue: Diseases of Children, Boericke & Tafel, Phila., 1922, p. 427.*

In discussing the treatment of atrophy Thursfield and Paterson, state: "If the baby continues to improve, the next step in the treatment is to add to the milk one of the less fermentable carbohydrates, such as dextrimaltose . . . —*H. Thursfield and D. Paterson: Diseases of Children, William Wood & Co., 1929, p. 105.*

"I also find dextrin-maltose an excellent addition to albumin-milk when the first object of that food has been achieved and a gain in weight is desired; in this way I have succeeded in feeding albumin-milk far beyond the period usually advised, with highly gratifying results."—*F. L. Wachenheim: Infant-Feeding; Its Principles and Practice, Lea & Febiger, Phila., 1915, p. 158.*

"Dextri-maltose has been substituted for lactose not infrequently, when the tolerance for the latter continues low."—*L. H. West: Low fat, high starch evaporated milk feeding for the marasmic baby, Arch. Pediat. 48:189-193, March, 1931.*

"Malt sugar is indicated when others fail to produce a sufficient gain, or when malassimilation of fat is evident."—*O. H. Wilson: The role of carbohydrates in infant feeding, Southern M. J. 11:177, March, 1918; abst. Arch. Pediat. 35:447, July, 1918.*

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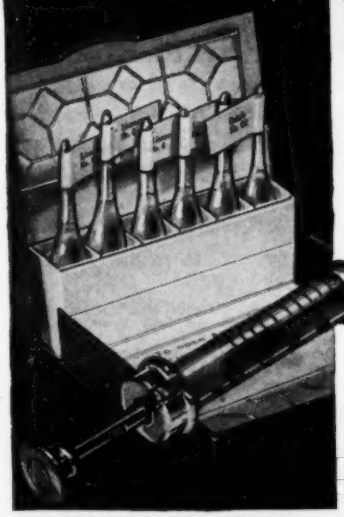

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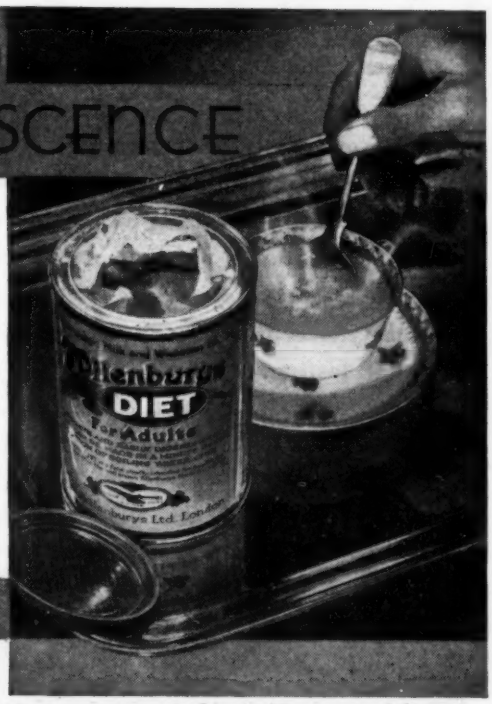


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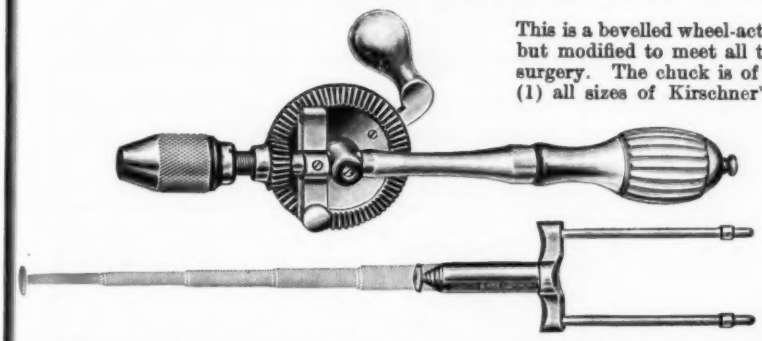

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| Nov. | 4th. | Puerperal Sepsis .. | Dr. R. M. FRY, M.R.C.S., L.R.C.P. |
| „ | 11th. | Obstetric Emergencies.. | Dr. W. H. F. OXLEY, M.R.C.S., L.R.C.P., F.C.O.G. |
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| „ | 20th. | Cæsarean Section .. | Mr. J. BRIGHT BANISTER, M.A., M.D., F.R.C.P., F.R.C.S., F.C.O.G. |
| „ | 27th. | Anæsthesia and Analgesia | Professor J. CHASSAR MOIR, M.D., F.R.C.S., F.C.O.G. |

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The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* 181 & 182, Winkfield Row.

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A Five Weeks' Introductory Course of Lectures on
**PSYCHOTHERAPEUTIC THEORY AND METHOD**
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Lectures will be given on MONDAY and THURSDAY afternoons at 3.0, 4.30., and 5.45 p.m.
A Course of Ten Lectures on
**THE NEUROSES IN GENERAL PRACTICE**
will be given on THURSDAYS at 8.30 p.m.
Beginning OCTOBER 7th, 1937.
Full details from the EDUCATIONAL SECRETARY at the Clinic.

## Saint Mary's Hospital for Women and CHILDREN, Plaistow, E.13.

Applications are invited for the posts of RESIDENT SURGICAL OFFICER and RESIDENT HOUSE PHYSICIAN (vacant November 1st), Male or Female. The appointments are for six months and will expire on 30th April. Board and residence are provided. Salaries at the rate of £155 and £150 per annum respectively, including £5 allowance for laundry. Personal canvassing not desired.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than 5th October.

A. ERNEST WILKES, Secretary.

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For rheumatic and similar disabilities this Spa offers recuperative advantages different from any other Spa.
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*Write for handsome book, post free, to The Secretary, Kinmel Hall Abergele.* Telephone: Abergele 156/7.

## Victoria Hospital for Children, Tite-street, Chelsea, S.W.3. (138 Beds.)

The Committee of Management invite applications for the post of HOUSE SURGEON for the period 4th October, 1937, to 31st January, 1938, with possibility of another appointment. Salary at the rate of £100 per annum, with board, lodging, and washing. Candidates must attend the Hospital for the purpose of an interview on Tuesday, 28th September, 1937, at 5 P.M. They must be registered under the Medical Acts.

Applications, with copies of three recent testimonials, should be sent to the Secretary not later than first post on Monday, 27th September, 1937.

D. ST. JOHN BAMFORD, Secretary.

## London Jewish Hospital, Stepney Green, E.1. GENERAL HOSPITAL. (109 Beds.)

RESIDENT MEDICAL OFFICER and HOUSE PHYSICIAN (Male) required immediately for the period to 31st May, 1938. Salary at the rate of £150 per annum.

Forms of application may be obtained from the Secretary.

## St. Thomas's Hospital Medical School.

DEPARTMENT OF ANATOMY.

Applications are invited for the whole-time post of SENIOR DEMONSTRATOR OF ANATOMY, to be received by the Dean of the Medical School on or before Saturday, 2nd October, 1937.

Salary £400 per annum, with superannuation.

## National Hospital, Queen-square, W.C.1.

HONORARY ASSISTANT OPHTHALMIC SURGEON.

Applications are invited for the post of Honorary Assistant Ophthalmic Surgeon, and should be sent to the undersigned on or before September 30th, 1937.

Applicants should be Fellows of the Royal College of Surgeons of England. GODFREY H. HAMILTON, Secretary.

## National Hospital, Queen-square, W.C.1.

REFRACTION OFFICER.

Applications are invited, from fully registered Practitioners, for the post of Clinical Assistant in the Refraction Department, and should be sent to the undersigned on or before September 30th, 1937.

Two sessions each month, honorarium £1 1s. per session.

GODFREY H. HAMILTON, Secretary.

## National Hospital, Queen-square, W.C.1.

HONORARY DENTAL SURGEON.

Applications are invited for the post of Honorary Dental Surgeon, and should be sent to the undersigned on or before September 30th, 1937.

The qualifications required are F. or M.R.C.S. and L.D.S. Any further particulars may be obtained in the Secretary's Office. GODFREY H. HAMILTON, Secretary.

## Hampstead General and North-West
LONDON HOSPITAL, Haverstock Hill, N.W.3.

APPOINTMENT OF CASUALTY MEDICAL OFFICER.

Applications are invited from unmarried registered Medical Practitioners for the position of CASUALTY MEDICAL OFFICER vacant on October 1st, at the Out-patient Department of the Hospital, Bayham-street, Camden Town.

The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.

Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should be directed to the Secretary.

## The Infants Hospital,
Vincent-square, Westminster.

Applications are invited for the post of PATHOLOGIST. The appointment will be a full-time one. Salary at the rate of £700 per annum.

An Assistant will subsequently be appointed.

Applications, with copies of not more than three testimonials, should reach the undersigned not later than October 8th.

ALFRED J. SMALL, Secretary.

## The London Lock Hospital,
283, Harrow-road, W.9.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (either sex) to the FEMALE DEPARTMENTS. Candidates must be doubly qualified and duly registered. The appointment is for six months, commencing 13th October. Salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous Obstetric experience.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the undersigned by first post on Thursday, 30th September, and from whom a copy of the Bye-Laws relating to the appointment, or any further particulars, can be obtained.

1st September, 1937. J. F. MORTON, Secretary.

## Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st November, 1937. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Tuesday, 28th September.

F. DUDLEY HOBBS, B.A., Secretary.

## National Hospital for Diseases of the
HEART, Westmoreland-street, Marylebone, W.1.

OUT-PATIENT MEDICAL OFFICER.

Applications are invited for the post of Out-patient Medical Officer (non-resident, Male). The appointment is for a period of six months from 1st November, but may be renewed for a further period not exceeding six months. Salary at the rate of £125 per annum.

Candidates, who must be duly registered Medical Practitioners, will not be expected to call on the Honorary Medical Staff, but should send their applications, with copies of three recent testimonials, to me at the Hospital not later than Monday, 4th October.

The Out-patient Medical Officer will be required to assist the Honorary Medical Staff on five afternoons weekly, or four afternoons and one morning, as may be arranged.

ROBERT G. E. WHITNEY, Secretary.

## National Hospital for Diseases of the
HEART, Westmoreland-street, Marylebone, W.1.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male). The appointment is for a period of six months from 1st November, but may be renewed for a further period not exceeding six months. Salary at the rate of £150 per annum, with board, residence, and washing.

Candidates, who must be duly registered Medical Practitioners, will not be expected to call on the Honorary Medical Staff, but should send their applications, with copies of three recent testimonials, to me at the Hospital not later than Monday, 4th October.

ROBERT G. E. WHITNEY, Secretary.

## Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Candidates must be registered Medical Practitioners of at least two years' standing and have held at least two previous house appointments. Preference will be given to candidates experienced in Practical Operative Surgery.

The appointment is for one year from the 9th November, 1937. Particulars concerning remuneration and emolument (amounting to approximately £370, with board and residence) together with forms of application and rules can be obtained from the undersigned.

Applications, with copies of testimonials, should be sent on or before October 8th to—

GILBERT G. PANTER, Secretary.

## County Council of Middlesex.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment on the pensionable staff of an Assistant Medical Officer in the Public Health and School Medical Department. Salary £600 per annum, rising after two years' service by annual increments of £30 to £750, together with out-of-pocket travelling expenses.

Applicants must be duly qualified registered Medical Practitioners, and should have had special experience of antenatal work. The possession of a Degree or Diploma in Public Health will be an additional qualification.

The duties of the post are the medical inspection of school-children, the supervision of treatment of minor ailments, the carrying out of work under the maternity and child welfare scheme, and such other duties as may be required by the Council.

The officer appointed will devote whole time to the duties of the post, act under the direction of the County Medical Officer of Health, and reside in such district as may be required.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council and will be terminable by one month's notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 2nd October. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, B.3."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1,
8th September, 1937.

## West London Hospital,
Hammersmith, W.6. (239 Beds.)

Applications are invited for the post of RESIDENT ASSISTANT SURGEON (Male).

The appointment is an open one. Salary at the rate of £200 per annum (plus £25 for services in connexion with the Venereal Diseases Department), with board, residence, and laundry allowance. Four weeks' holiday a year. The appointment is for one year from November 1st next, terminable by three months' notice on either side, and, subject to annual re-election, may be extended to not more than three years.

Candidates must be duly qualified, registered Medical Practitioners, unmarried, and should hold one of the higher surgical qualifications. As Senior Resident Officer the Resident Assistant Surgeon will be responsible for certain administrative duties.

Applications, with copies of testimonials, should reach me not later than first post on Saturday, October 16th, 1937. Candidates must attend a Meeting of the Medical Council on Friday, October 22nd, 1937, at 4.30 P.M., and, prior to that date, call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board, but, if so notified, must attend a Meeting of the Board of Management at 5 P.M. on Tuesday, 26th October, 1937, when the appointment will be made.

H. A. MADGE, Secretary.

## Paddington Green Children's Hospital
(Incorporated), LONDON, W.2.

HOUSE PHYSICIAN,
HOUSE SURGEON.

These appointments will become vacant on November 1st, 1937. Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, October 15th, 1937. Salary of each at the rate of £150 per annum, with board and residence. Candidates who have held a responsible Resident Hospital appointment are preferred.

The appointments are for a period of six months.

JAMES A. HAMLIN, Secretary.

## Paddington Green Children's Hospital
(Incorporated), LONDON, W.2.

Applications are invited for the appointment of ANÆSTHETIST to the Hospital.

Candidates must be registered under the Medical Act. Applications should be forwarded to the undersigned not later than Friday, October 15th, 1937.

The appointment carries with it an honorarium of £25 per annum per session, and attendance will be required, for the time being, on Tuesday mornings. JAMES A. HAMLIN, Secretary.

## St. Bartholomew's Hospital.

OFFICE OF PHYSICIAN TO THE PSYCHOLOGICAL DEPARTMENT.

Notice is hereby given that a Meeting of the Election Committee will be held on Tuesday, 2nd November, 1937, at 4 o'clock in the afternoon to elect a Physician to the Psychological Department of the Hospital.

Candidates, who must be Fellows or Members of the Royal College of Physicians of London, should have had practical experience in Psychiatry and of the management of Out-patients with Neurosis and Mental Disorder, and should be free to attend the Hospital and see patients on three half-days a week.

Candidates are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Saturday, 16th October, 1937.

THOMAS HAYES, Clerk to the Governors.

2nd September, 1937.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.
(Out-patient Department, Bayham-street, Camden Town, N.W.1.)

The Council invite applications for the appointment of SURGEON TO OUT-PATIENTS.

Candidates must be Fellows of the Royal College of Surgeons, England.

Applications, stating age, qualifications, and experience, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th.

Candidates will be required to call upon members of the Honorary Medical Staff of the Hospital.

Full particulars, together with the Regulations governing the appointment, may be obtained on application to the Secretary, Hampstead General and North-West London Hospital, Haverstock-hill, N.W.3.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.
(Out-patient Department, Bayham-street, Camden Town, N.W.1.)

The Council invite applications for the appointment of PHYSICIAN TO OUT-PATIENTS.

Candidates must be Members or Fellows of the Royal College of Physicians, London.

Applications, stating age, qualifications, and experience, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th.

Candidates will be required to call upon members of the Honorary Medical Staff of the Hospital.

Full particulars, together with the Regulations governing the appointment, may be obtained on application to the Secretary, Hampstead General and North-West London Hospital, Haverstock-hill, N.W.3.

## Royal Free Hospital,

Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Practitioners for the post of ANÆSTHETIC REGISTRAR at the above hospital for one year from 1st November, 1937, with option to apply for reappointment for two subsequent years.

The post is a resident one and carries with it a remuneration of £100 per annum.

Candidates should have had experience in all forms of anæsthetics, especially dental work.

They should submit applications stating age and qualifications to the undersigned on or before 9th October, 1937.

RICHARD T. BARTLEY, Secretary.

## Radium Beam Therapy Research,

AT THE RADIUM INSTITUTE,
1, RIDING HOUSE STREET, LONDON, W.1.

ASSISTANT MEDICAL OFFICER, resident, salary £150, non-resident, salary £250 per annum. Six months' appointment from November 1st, 1937.

Applications, stating age qualifications, and experience, with copies of three recent testimonials, to be sent to the Secretary, Radium Beam Therapy Research, not later than October 5th. The selected candidate will assist with the working of two five-gramme Radium units, and will have the opportunity of combining post-graduate studies with this appointment.

## King George Hospital, Ilford.

Applications are invited for the appointment of HONORARY DENTAL SURGEON to this Hospital.

Further particulars may be obtained from the undersigned, to whom applications should be sent not later than 9th October.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

## County Council of Middlesex.

NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment. Candidates must be registered Medical Practitioners who have held resident appointments in a General Hospital. The duties of the appointment will be mainly obstetrical and gynæcological. Salary £250 per annum, with board, lodging, and laundry valued at £100 per annum.

The officer appointed will work under the direction of the Medical Superintendent, and will devote his or her whole time to official duties.

The appointment (which does not carry any superannuation rights, will be subject to medical examination and is terminable by one month's notice on either side) is for a period of six months in the first instance, and may be extended for an additional six months.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 9th October. Relationship to any member or officer of the Council must be disclosed in the application.

Application forms are not provided. Envelopes must be endorsed "Junior Assistant Medical Officer, North Middlesex County Hospital." Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1,
17th September, 1937.

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## The Radium Institute,

Riding House-street, London, W.1.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Candidates must be unmarried.

The salary will be at the rate of £250 per annum, board, residence, and laundry being provided, and the appointment is for six months commencing immediately.

Applications, stating age, nationality, qualifications, and experience, with copies of three recent testimonials, must be received at the Institute as soon as possible.

Canvassing, either directly or indirectly, is not permitted.

THOS. A. GARNER, Secretary.

## French Hospital and Dispensary,

172, Shaftesbury-avenue, W.C.2.

Applications are invited for the post of HONORARY SURGEON. Candidates must hold a Fellowship, speak French, and send in their applications to the Secretary of the Hospital on or before the 6th November.

## Royal National Orthopædic Hospital.

SURGICAL REGISTRARS. The Committee invite applications for the appointments of Three Registrars (Male) as from November 1st. Candidates who have obtained the F.R.C.S. (Eng.) will be preferred. Honorarium £105 per annum. The appointments are for twelve months, renewable for a further twelve months on the recommendation of the Medical Board.

Applications, with copies of three recent testimonials, should reach the Secretary, 234, Great Portland-street, London, W.1, not later than October 12th.

## Hospital for Consumption and Diseases

OF THE CHEST,
Brompton, S.W.3.

The Committee of Management invite applications for the following posts:—

RESIDENT SURGICAL OFFICER.—Candidates must have held a Resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing November 1st.

ASSISTANT RESIDENT MEDICAL OFFICER.—Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose, and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing November 1st.

HOUSE PHYSICIANS.—There are three vacancies. The duties include work in the Out-patient Department and in the Wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing November 1st, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, October 9th.

Brompton, September, 1937. F. G. ROUVRAY, Secretary.

## The Royal Waterloo Hospital for

CHILDREN and WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY AND ORTHOPÆDIC HOUSE SURGEON.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty and Orthopædic House Surgeon to work in the Out-patient Department with care of Orthopædic beds; vacant on the 1st October, 1937, at £150 per annum. Candidates for this post should have held a previous appointment. The appointment is in the first instance for a period of six months.

Applications, with copies of testimonials, should be forwarded not later than the 28th September to the Secretary at the Hospital, from whom further particulars can be obtained.

## The Belgrave Hospital for Children

(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the posts of Two HOUSE PHYSICIANS and One HOUSE SURGEON, which will become vacant on October 31st.

Applicants (Men) must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case. Applications, with copies of testimonials, stating age, to be forwarded on or before Thursday, October 7th.

By order.

THOS. CLAPHAM, Secretary.

## Research into Rheumatic Disease.

Applications are invited by the Empire Rheumatism Council for two Research Fellowships relative to the causation and pathology of Rheumatic Disease; particularly the chronic forms. The Fellowships are tenable for seven years and holders will be expected to give their full time to the work; salary £750 a year (inclusive of retiring allowance). Laboratory facilities in London will be provided by the Council.

Applicants may suggest some particular task of research which they wish to undertake, and should state their qualifications. Address—Secretary, Empire Rheumatism Council, 1, Mitre Court Buildings, Temple, E.C.4. Applications close November 15th.

## Hospital for Epilepsy and Paralysis,
Maida Vale, London, W.9.

HOUSE PHYSICIAN (required November 1st).

Applications are invited for this post. The salary is at the rate of £100 per annum, and the appointment is for six months.

Applications, accompanied by copies of three recent testimonials, should reach me by October 13th.

The accommodation at the Hospital does not permit of Women Graduates holding this appointment.

H. W. BURLEIGH, Secretary and General Superintendent.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

(*a*) QUEEN MARY'S HOSPITAL FOR CHILDREN, Carshalton, Surrey. (1284 Beds.)—There are Special Departments for Rheumatic and Orthopædic conditions, for Congenital Malformations, and for Nutritional Diseases.

ASSISTANT MEDICAL OFFICER (Grade I.).—Salary £350–£25–£425, with board, lodging, and washing.

ASSISTANT MEDICAL OFFICER (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

*(*b*) HEATHERWOOD HOSPITAL, Ascot, Berks., for Orthopædic conditions and Surgical Tuberculosis in Children.

ASSISTANT MEDICAL OFFICER (Grade II.).—(Salary, &c., as above.)

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 11th October. Canvassing disqualifies.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.

*(*a*) FULHAM HOSPITAL, St. Dunstan's-road, Hammersmith, W.6.—(Two positions).—(1) Duties mainly Surgical, experience in Fracture work essential. (2) Medical duties, Obstetrical experience essential.

*(*b*) LEWISHAM HOSPITAL, Lewisham, S.E.13. Maternity, Gynæcological and Surgical duties.

*(*c*) ST. CLEMENT'S HOSPITAL, 2A, Bow-road, E.3.—Medical duties. Experience in Mental Diseases essential.

(*d*) ST. GILES' HOSPITAL, Brunswick-square, S.E.5.—Gynæcological and Obstetrical duties.

(*e*) ST. JAMES' HOSPITAL, Ouseley-road, Balham, S.W.12.—Experience in Children's Diseases essential.

*(*f*) ST. NICHOLAS' HOSPITAL, Plumstead, S.E.18.—Duties mainly Surgical, experience in Midwifery desirable.

ASSISTANT MEDICAL OFFICERS (Grade II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

*(*g*) LAMBETH HOSPITAL, Brook Drive, S.E.11.—Duties mainly Medical.

*(*h*) LEWISHAM HOSPITAL, Lewisham, S.E.13.—(Two positions).—(1) Duties mainly Medical. (2) Maternity, Gynæcological, and Surgical duties mainly.

(*i*) PADDINGTON HOSPITAL, Harrow-road, W.9.—Duties mainly medical.

*(*j*) QUEEN MARY'S HOSPITAL, Sidcup, Kent.—Duties mainly Medical, some Surgical experience desirable.

(*k*) ST. JAMES' HOSPITAL, Ouseley-road, Balham, S.W.12.—Duties Obstetrical and Gynæcological, including Anæsthetics.

*(*l*) ST. MARY, ISLINGTON, HOSPITAL, Highgate Hill, N.19.—(Two positions).—Duties mainly medical, experience in Anæsthetics desirable for both positions.

*(*m*) ST. STEPHEN'S HOSPITAL, 369, Fulham-road, S.W.10.—Duties mainly Medical, experience in Anæsthetics desirable.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2 BT, County Hall, S.E.1, returnable by 4th October. Canvassing disqualifies.

## London County Council.

TEMPORARY DISTRICT MEDICAL OFFICERS REQUIRED FOR THE FOLLOWING DISTRICTS:—

(1) Area III, District I (part Lower Holloway and part Highbury). Provisional salary £135.

(2) Area V, District D (East Fulham). Provisional salary £160.

(3) Area VIII, District L (part Peckham, Dulwich, and Sydenham). Provisional salary £222 10s.

Persons engaged required to carry out duties prescribed by Public Assistance Order, 1930, and to reside in or near district. Engagement until 31st March, 1938, in first instance. Remuneration and conditions subject to review.

Application form obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2 B, County Hall, S.E.1, returnable by 4th October. Canvassing disqualifies.

## London County Council.

PUBLIC HEALTH DEPARTMENT.

Applications invited from Women with experience in psychiatric social work for appointment as SOCIAL WORKER in connexion with mental cases at St. Alfege's Hospital, Vanbrugh hill, S.E.10. Salary £235–£12 10s.–£310. Social workers co-operate with medical staff in investigating the history of mental cases and supervising social welfare and after-care of patients in such ways as medical staff may direct. Only candidates with experience or training in psychiatric social work will be considered.

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health (S.D. 3), County Hall, Westminster Bridge, S.E.1. Forms returnable by 9th October, 1937. Canvassing disqualifies.

## London County Council.

Applications are invited from Medical Practitioners (Men and Women) with lecturing experience, as INSTRUCTORS for First Aid and Health Classes in the London County Council Evening Institutes. Fee 22s. for lecture of from one to two hours.

Forms T.7/40 from Education Officer (T/7), County Hall, S.E.1 (stamped addressed foolscap envelope necessary). Canvassing disqualifies.

## All Saints' Hospital
(for Genito-urinary Diseases), Austral-street, West-square, S.E.11.

RESIDENT HOUSE SURGEON (Male) required on November 1st, 1937, for eight months, being five months as Junior House Surgeon, with a salary at £100 per annum, followed by three months as Senior House Surgeon, with salary of £150 per annum.

Applications, giving particulars of age, experience, qualifications, and enclosing copies of three recent testimonials, should reach me not later than October 9th.

D. H. EADE, Secretary.

## Western Ophthalmic Hospital,
Marylebone-road, London, N.W.1.

Applications are invited for the following resident post—JUNIOR HOUSE SURGEON.

Salary at the rate of £100 per annum. Previous Ophthalmic experience required. The selected candidate will be required to commence duty on November 1st. This hospital is recognised for the purposes of the D.O.M.S. examinations.

Applications, with copies of three recent testimonials, should reach me by October 9th.

H. W. BURLEIGH, Honorary Secretary.

## The Marie Curie Hospital.
(CENTRE FOR TREATMENT OF CANCER IN WOMEN BY RADIUM AND X RAYS.)

Applications are invited from qualified Medical Women for the post of RESIDENT MEDICAL OFFICER. Previous hospital experience desirable. Salary £100 per annum.

Applications to be sent, with copies of not more than three recent testimonials, to the Secretary, 2, Fitzjohn's-avenue, N.W.3.

## Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of CLINICAL ASSISTANT in the X Ray Department. Honorarium at the rate of £75 per annum.

Applicants must have a Diploma in Radiology and experience in Diagnosis and Therapy.

The Clinical Assistant will be required to attend for four sessions per week. Applications, together with three testimonials, must reach the undersigned, from whom further particulars can be obtained, on or before Monday, October 4th, 1937.

F. DUDLEY HOBBS, B.A., Secretary.

## The Hospital for Women,
Soho-square, London, W.1.

The Committee of Management invite applications for the post of SURGEON in charge of Out-patients (Gynæcological). Candidates must be Fellows of one of the Royal Colleges of Surgeons of the United Kingdom, and engaged only in consulting practice.

Six copies of applications and testimonials must reach the undersigned, from whom further particulars may be obtained by the 16th October, 1937. J. P. HEMING, Secretary.

## Stirling District Mental Hospital,
LARBERT.

JUNIOR ASSISTANT MEDICAL OFFICER required (Male). Salary commencing at £300 per annum, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

# ROYAL ARMY MEDICAL CORPS

Applications are invited from Medical Men for appointment to commissions in the Royal Army Medical Corps.

Candidates will for the present be selected for commissions without competitive examination and will be required to present themselves in London for interview and physical examination on or about 21st October, 1937. They must be registered under the Medical Acts and normally must not be over the age of 28 years.

Successful candidates will in the first instance be given short service commissions for five years. During the 4th year of this period they will be given the opportunity of applying for permanent commissions in either the Royal Army Medical Corps or the Indian Medical Service. Those not selected will retire on completion of 5 years' service with a gratuity of £1000.

Candidates who are successful will, unless they are seconded to complete a hospital appointment, assemble at the Royal Army Medical College, London, on 1st November, 1937.

Particulars of the Conditions of Service in the Royal Army Medical Corps, pay and allowances, and forms of application, may be obtained on application, either in writing or personally, to the Assistant Director-General, Army Medical Services, The War Office, London, S.W.1.

# ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in January, 1938.

Candidates below the age of 28 years are preferred and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance, which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 22nd November, 1937.

## Salford Royal Hospital.
(256 Beds.)

The Board of Management invites applications from duly registered Medical Practitioners for the appointment of HONORARY DERMATOLOGIST.

Applications, accompanied by certificates of age and of registration, and by not more than six testimonials, must be delivered to the undersigned (from whom all details of duties may be obtained) on or before 30th instant.

By Order of the Board,
H. B. SHELSWELL, General Superintendent and Secretary.
13th September, 1937.

## Wingfield-Morris Orthopædic Hospital,
HEADINGTON, OXFORD.

RESIDENT HOUSE SURGEON (Male) required. Salary £100 per annum. Duties to commence 1st November, 1937.

Applications, with testimonials, should be sent to the Secretary, Commander J. T. HENDERSON, R.N. (ret.), before October 15th.

## Victoria Hospital, Burnley.
(150 Beds.)

HOUSE PHYSICIAN (Male)

Applications are invited for the above post, which will become vacant on the 30th September. The duties include the giving of a certain number of anæsthetics. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period reappointment may be applied for, and if granted, the salary for the second six months will be at the rate of £200 per annum.

Applications, giving full details of qualifications and experience, stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the following post (Male):—

SECOND CASUALTY OFFICER, vacant October 8th.

Salary at the rate of £150 per annum, plus board, residence, and laundry.

In addition to carrying out duties in the Casualty Department the Officer appointed will act as House Surgeon to one of the Honorary Assistant Surgeons, and will thus obtain Ward and Theatre experience. He will be eligible for promotion to a more senior post when a vacancy occurs.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

3th September, 1937. R. J. CARLESS, House Governor.

## Princess Alice Memorial Hospital,
EASTBOURNE.
(Voluntary General Hospital. 120 Beds. Two House Surgeons.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male) vacant on 9th October, 1937. Salary at the rate of £150 per annum, with board and laundry.

Applications, with copies of three recent testimonials, should be delivered to the undersigned by first post on Wednesday, 29th September, 1937.

W. RUSSELL RUDALL, Secretary.
13th September, 1937.

## Bristol Royal Infirmary.

Applications are invited for the post of SENIOR HONORARY ANÆSTHETIST. Candidates must be registered Medical Practitioners and hold a Diploma in Anæsthetics of the Conjoint Board of the Royal College of Physicians and Surgeons of England.

Applications, stating age, together with copies of not more than three recent testimonials, to be sent to the undersigned on or before October 16th, 1937.

ELLIS C. SMITH, F.C.I.S., Secretary and House Governor.

## Bristol General Hospital.

RESIDENT SURGICAL OFFICER and REGISTRAR (Male).—The Committee invites applications for the appointment. Salary at the rate of £200 per annum (plus estimated emoluments of £200 per annum), with board, residence, &c., provided in the Hospital. Candidates must be registered under the Medical Acts, and produce testimonials of good personal character and ability. The duties attaching to the post are chiefly surgical, but being also in part administrative, experience in this direction is therefore essential.

Applications, accompanied by copies of testimonials, three of which must preferably be given in support of the application, to be forwarded to the undersigned on or before Saturday, October 9th, from whom forms of application and copies of the duties may be obtained.

The Hospital contains 273 beds, and is a School of Medicine attached to the University of Bristol.

THOMAS W. GREGG, F.C.C.S., Secretary.

## The Royal Infirmary, Bradford.

TWO HOUSE PHYSICIANS and FOUR HOUSE SURGEONS (Male), wanted for 1st November. Six months' appointments.

Candidates must be single and legally qualified.

Salary £150 per annum, with board, residence, and washing.

There are 345 Beds and nine Resident Officers.

Applications, stating age, qualifications and previous experience, with copies of recent testimonials, should be sent to the undersigned not later than Monday, 4th October.

H. TRUSSON, F.C.I.S., House Governor-Secretary.

## County Council of Durham.

EDUCATION DEPARTMENT.

ASSISTANT OCULIST. Applications are invited for the post of Assistant School Oculist to the Education Committee. Candidates must be skilled Refractionists and must also have occupied the post of House Surgeon in an eye hospital or in the eye department of a general hospital for a period of not less than six months. Commencing salary £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum, with travelling expenses in accordance with the County Regulations.

The person appointed will hold an established post under the Local Government and Other Officers' Superannuation Act, 1922, and will be subject to the provisions of that Act. He (she) will be required to devote his (her) whole time to the duties of the office and to reside at a place to be approved by the Education Committee. The appointment will be subject to three calendar months' notice on either side, expiring on the last day of any calendar month.

Canvassing, directly or indirectly, is prohibited and will disqualify.

Forms of application to be returned not later than Saturday, 9th October, 1937, can be obtained from the Director of Education, Shire Hall, Durham, on receipt of a stamped addressed foolscap envelope.

THOS. B. TILLEY, Director of Education.
Shire Hall, Durham, 13th September, 1937.

## Lancashire County Council.
PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE, ASHTON-UNDER-LYNE, near MANCHESTER.

APPOINTMENT OF JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Junior Resident Medical Officer at the above Hospital and Institution, comprising 300 and 525 beds respectively.

The Hospital is recognised as a complete training school for nurses.

Candidates must be unmarried.

Salary at the rate of £225 per annum, together with the usual residential emoluments.

The appointment will, in the first instance, be for a period of six months, the successful applicant being eligible for reappointment for a further period of six months at the end of that period.

Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Wednesday the 6th October, 1937.

GEORGE ETHERTON, Clerk of the County Council.
County Offices, Preston, 9th September, 1937.

## City of Coventry.
MUNICIPAL GENERAL HOSPITAL.

The Public Health Committee invite applications from duly registered Male Medical Practitioners in connexion with two vacancies for ASSISTANT RESIDENT MEDICAL OFFICERS at the above Hospital (324 beds). The Hospital includes medical, surgical, obstetric, and children's wards.

Each appointment will be for a period of one year. The salary will be at the rate of £250 per annum for the first six months and at the rate of £300 per annum for the second six months, with board, residence, and laundry. The officers appointed will be required to pay to the Corporation any fees received in connexion with their official work.

Applications, accompanied by copies of three recent testimonials, must reach the undersigned not later than first post on September 28th, 1937.

A. MASSEY, Medical Officer of Health.
The Council House, Coventry, 11th September, 1937.

## Kent and Sussex Hospital,
TUNBRIDGE WELLS
(210 Beds.)

EAR, NOSE, AND THROAT DEPARTMENT.

Applications are invited for the appointment of HOUSE SURGEON (Male) to the above Department. Duties to commence immediately. Previous experience desirable, but not essential. Duties to include those of Resident Anæsthetist. Salary £150 per annum, board, residence, and laundry in the Hospital.

Applications, stating qualifications, together with certificate of registration and copies of not more than three recent testimonials, should be sent to the undersigned as soon as possible.

TOM B. HARRISON, Superintendent-Secretary.

## Great Yarmouth General Hospital.

(72 Beds.)

Applications are invited for the post of HOUSE SURGEON (one of two appointments). Duties to commence immediately.

Applicant must be Male and unmarried.

Salary at the rate of £140 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned. FREDK. L. GATFIELD, Secretary.

## The Dewsbury and District General

INFIRMARY, DEWSBURY.

The Post is a recognised one by the Royal College of Surgeons (England).

Applications are invited for the post of SENIOR HOUSE SURGEON (Male). Salary £200 per annum, with board, residence and laundry.

The Infirmary is a new Voluntary Hospital of 100 Beds, and has the usual Special Departments, with Visiting Consulting Specialists in attendance.

Applications, stating age and hospital experience, together with copies of recent testimonials, to be sent as immediately as possible to my office.

FRED SMITH, Secretary-Superintendent.

## Royal Berkshire Hospital, Reading.

(338 Beds.)

Applications are invited for the following resident appointments which fall vacant on November 1st, 1937:—

One HOUSE PHYSICIAN (Male).

One HOUSE SURGEON TO THE SPECIAL DEPARTMENTS (Eye, Ear, Nose and Throat) (Male).

One HOUSE SURGEON (Male).

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned on or before October 9th, 1937.

H. E. RYAN, Secretary and House Governor.

## City Mental Hospital, Humberstone,

LEICESTER.

THIRD ASSISTANT RESIDENT MEDICAL OFFICER (Male, single), under thirty. Residential General Hospital experience is desirable. Salary £350, rising by £50 per annum to £450 per annum, together with board, lodging, washing, and attendance, valued for purposes of superannuation at £150 per annum. An additional £50 per annum will be paid for possession of a D.P.M.

The appointment is subject to the provision of the Asylums Officers' Superannuation Act, 1909.

There is a good laboratory and two active Psychiatric Clinics, one attached to the Leicester Royal Infirmary.

Applications, giving particulars of experience, &c., together with names of three references, one of which should be non-professional, and marked "A.M.O.," to be sent to the Medical Superintendent.

## County Council of Durham.

EDUCATION DEPARTMENT.

ASSISTANT SCHOOL MEDICAL OFFICERS.

The County Education Committee invite applications for the posts of Two ASSISTANT SCHOOL MEDICAL OFFICERS, to act under the School Medical Officer in connexion with the inspection of school-children, and such other duties as may be required by the Education Committee. Commencing salary £500 per annum (provided the candidates have had not less than three years' post-graduate experience), rising by annual increments of £25 to £700 per annum, together with travelling expenses according to the County Scale. The successful candidates will be required to devote their whole time to the duties of the office and reside in or near the districts to which they will be attached at places to be approved by the Education Committee. The appointments will be subject to three calendar months' notice on either side, expiring on the last day of any calendar month. Applicants must have had experience in the work of school medical inspection, and preference will be given to candidates who:

(a) Have had experience in the work of School Clinics;

(b) Have been accustomed to make special reports on Mentally Defective, Physically Defective, Epileptic and other Defective children.

The possession of a Diploma in Public Health is desirable, though not essential.

Canvassing, directly or indirectly, is prohibited and will disqualify.

A deduction of five per cent. will be made from the salary in accordance with the Local Government and Other Officers' Superannuation Act, 1922, which has been adopted by the Council, and the appointment will be subject to passing the County Council's medical examination in connexion therewith.

Forms of application, to be returned not later than Saturday, the 9th October, 1937, may be obtained from the Director of Education, Shire Hall, Durham, on receipt of stamped addressed foolscap envelope. THOS. B. TILLEY, Director of Education.

Shire Hall, Durham, 16th September, 1937 (142).

## Barrowmore Tuberculosis Sanatorium

AND SETTLEMENT, GT. BARROW, CHESTER.

HOUSE PHYSICIAN (Male) required at once.

The appointment is for six months and is renewable. Salary £150 per annum, with board, residence, and laundry.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital and Sanatorium accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications marked "House Physician," with copies of three testimonials, should be sent to the Medical Director at the above address.

## County Borough of Merthyr Tydfil.

AMENDED ADVERTISEMENT.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from Medical Women (unmarried or widowed), under the age of forty, for the above post. The person appointed must be a registered Medical Practitioner, and registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health, or State Medicine. Preference will be given to a candidate who:

(1) Has had at least three years' experience in the practice of her profession;

(2) Has held the appointment of Resident Medical Officer in a Maternity Department for a period of not less than six months;

(3) Has had not less than one year's continuous experience in some branch of obstetric work.

The duties will include School Medical Inspection, Supervision of Midwives, Attendance at Antenatal and Infant Welfare Centres, and other Public Health duties as may from time to time be prescribed. The duties of the respective offices will be carried out under the general direction of the Medical Officer of Health.

The salary will be at the rate of £600 per annum, rising by annual increments of £25 to a maximum of £700 per annum, together with out of pocket travelling expenses.

Applications, together with copies of three recent testimonials, must reach the undersigned on or before the 1st October, 1937.

T. H. STEPHENS,
Medical Officer of Health, Town Hall, Merthyr Tydfil.

18th September, 1937.

## Royal Asylum of Montrose.

Applications are invited for the post of PHYSICIAN-SUPERINTENDENT to the Royal Asylum of Montrose. Salary £1200 per annum, rising by annual increments of £50 to £1400, with free house and garden, local rates, electricity, and the services of a chauffeur-gardener, for whom a house will be provided.

Superannuation allowance under the Lunacy Scotland Act, 1866.

Applications, stating age, qualifications, and previous experience, along with thirty-five copies of testimonials, to be submitted on or before 11th October, 1937, to C. K. ALEXANDER, Clerk and Treasurer, Royal Asylum, Montrose, Scotland.

## Victoria University of Manchester.

SIR HENRY ROYCE RESEARCH FELLOWSHIP.

Applications are invited for the Sir Henry Royce Research Fellowship founded under the Will of the late Sir Frederick Henry Royce, Bart. The Fellowship, for research on *either* "The Common Cold, its nature, prevention, and cure," *or* "Influenza, its nature, prevention, and cure," is of the value of £500 per annum, and will be tenable in the first instance for a period of three years.

Applicants must be graduates of a British University, and must be either registered Medical Practitioners or otherwise qualified to undertake research in the subjects specified.

Further particulars and forms of application may be obtained from the Registrar, The University, Manchester, 13. All applications to be made on the prescribed form, must be sent to reach him not later than October 31st.

## City of Birmingham.

ROMSLEY HILL SANATORIUM (120 Beds).

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for a Resident Assistant Medical Officer. Candidates must be unmarried, and have held a resident hospital appointment since qualifying. Experience in the diagnosis and treatment of Tuberculosis will be a recommendation.

The appointment will be limited in the first instance to six months, and, subject to satisfactory service, may be extended for a further six months. The salary will be at the rate of £240 per annum for the first six months, and £275 per annum for the second six months, with board and residence in each case.

Forms of application may be obtained from the Medical Superintendent, Romsley Hill Sanatorium, Halesowen, near Birmingham, and should be returned to him not later than Wednesday, 6th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

## ROYAL NAVAL DENTAL SERVICE

Vacancies exist for DENTAL OFFICERS in the Royal Navy, and applications for entry are invited from registered Dental Surgeons.

Candidates must be British subjects of pure European descent, below twenty-eight years of age on the day of entry, and physically fit for service in any part of the world. Unmarried candidates are preferred. No examination in professional subjects will be held, but approved candidates will be required to attend at the Admiralty for physical examination and interview by a Selection Board.

Successful candidates will be appointed to Short Service Commissions, and a grant of £50 towards the cost of providing the necessary uniform will be paid on entry. Vacancies in the permanent list will be filled by selection from among officers holding Short Service Commissions who desire to make the Royal Naval Dental Service their permanent career. Officers not transferred to the Permanent List will, on the termination of their Short Service Engagement after six years' service, receive a gratuity of £1000.

The rates of Full Pay for Short Service Dental Officers are £362 per annum during the first three years and £447 per annum during the second three years. Official quarters are provided.

Candidates who have, since qualifying, held full-time appointments as House Surgeons at Dental Hospitals and Schools will be eligible for an antedate of seniority up to a maximum of six months.

Officers serving under permanent commissions are eligible for a four months' post-graduate course on full pay with allowances.

Copies of the regulations for entry of conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of Dental Schools.

Applications for entry in January, 1938, must be received not later than 1st December, 1937, and for entry in April, 1938, not later than 7th March, 1938.

## The King Edward VII Welsh National
MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male, single) for the posts of ASSISTANT RESIDENT MEDICAL OFFICER (twelve months' appointment in each case) at the following Institutions:—

(i) SULLY HOSPITAL, SULLY, GLAM. (300 Beds for the treatment of Pulmonary Tuberculosis), situate between PENARTH and BARRY.
(ii) NORTH WALES SANATORIUM (247 Beds for Female Pulmonary and Male, Female, and Children non-pulmonary cases), DENBIGH, NORTH WALES.
(iii) GLAN ELY HOSPITAL (196 Beds for Pulmonary and Surgical Tuberculosis in Men, Women, and Children), FAIRWATER, near CARDIFF.

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, October 6th, 1937.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff,
September 20th, 1937.

## Royal Victoria Hospital, Dover.
(60 Beds.)

Applications are invited for the posts of SENIOR and JUNIOR HOUSE SURGEON (Male), at salaries of £150 and £120 per annum respectively. The appointments are for a period of six months, as from the 15th October. Some Surgical experience essential for senior post. Work light and time for study.

Applications, stating age, with particulars of experience, and accompanied by copies of three recent testimonials, should be sent to the Hon. Secretary not later than the 8th October on a form to be obtained from him.

## Lancashire County Council.

PARK HOSPITAL, DAVYHULME, Near MANCHESTER.

APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.

Applications are invited from registered Male Medical Practitioners for the appointment of Senior Resident Medical Officer at the above Hospital. Candidates must be unmarried.

Salary £350 per annum, together with the usual residential allowances.

The appointment will, in the first instance, be for a period of six months, the successful applicant being eligible for reappointment for a further period of six months at the end of that period.

The Hospital comprises 500 Beds for acute cases, is fully equipped in every respect, and is recognised as a complete Training School for Nurses.

The appointment will be terminable by one month's notice on either side.

Forms of application may be obtained from the County Medical Officer of Health, Hospital and Medical Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded so as to be received not later than Saturday, the 9th October, 1937.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 20th September, 1937

## Manchester Hospital for Consumption
AND DISEASES OF THE THROAT AND CHEST.

Wanted, an ASSISTANT MEDICAL OFFICER (Male) for the CROSSLEY SANATORIUM, DELAMERE FOREST, CHESHIRE (110 Beds). Salary £200 per annum, with board, apartments, and laundry.

Candidates must be registered. The appointment offers an opportunity for gaining experience in modern methods of treating Pulmonary Tuberculosis.

Applications, stating age, with copies of testimonials, to be sent not later than October 4th to W. HUNT, Secretary, 45, Hardman-street, Manchester.

## St. Paul's Eye Hospital, Oldhall-street,
LIVERPOOL.

HOUSE SURGEON required 1st November. Six months' appointment. Salary £145 per annum, board, residence, &c.

Applications, with copies of testimonials, should be sent to the Secretary on or before 16th October.

AMENDED ADVERTISEMENT.

## City of Nottingham.

APPOINTMENT OF RESIDENT MEDICAL SUPERINTENDENT OF THE CITY HOSPITAL AND MEDICAL OFFICER OF THE CITY INSTITUTION.

The Nottingham City Council invite applications from duly qualified persons for the appointment of Resident Medical Superintendent of the City Hospital and Medical Officer of the City Institution.

Candidates must present evidence of wide clinical experience gained in medical and surgical posts, and the person appointed must be an experienced and skilled administrator. He should be of strong character, capable of directing a large staff, and of assisting the Council in developments of the hospital services.

The salary will be fixed between £1100 and £1400 per annum, according to the qualifications and experience of the selected candidate. In addition an unfurnished house, free of rates, will be provided, this emolument being valued at £100.

The person appointed will not be allowed to engage in any other form of practice, and all fees received by him will be required to be paid to the Council.

The duties will be carried out under the general supervision and control of the Medical Officer of Health. The appointment will be subject to the Superannuation Scheme in force, and the successful candidate will be required to pass a medical examination.

Forms of application and further particulars as to the terms and duties of the office may be obtained from me, the undersigned, and the successful candidate will be deemed to have had notice of such duties and to have accepted such terms.

Applications, endorsed "Resident Medical Superintendent," are to be delivered at my office not later than the 11th October.

Canvassing, whether directly or indirectly, is prohibited, and will be deemed a disqualification.

Dated this 17th day of September, 1937.

Guildhall, Nottingham. J. E. RICHARDS, Town Clerk.

## Royal Sussex County Hospital,
BRIGHTON.

Applications are invited for the offices of HONORARY PHYSICIAN, and (in the event of a vacancy occurring) HONORARY ASSISTANT PHYSICIAN, from gentlemen who are Doctors of Medicine of one of the Universities of the British Empire, or Fellows or Members of the Royal College of Physicians of London, Edinburgh, or Dublin, and who are duly registered under the Medical Acts.

Further particulars of the above mentioned appointments may be obtained from the undersigned.

Applications must reach the Secretary-Superintendent at the Hospital before 12 noon on Friday, the 22nd October, 1937.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

## Borough of Ilford.

APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited from legally qualified Medical Practitioners, holding the Diploma of Public Health or similar qualification, for the above appointment, at a commencing salary of £750 per annum, rising by annual increments of £25 to a maximum of £900 per annum.

Applicants must not exceed the age of forty-five years, but an applicant who is an ex-Service man may deduct from his age his period of service during the Great War for the purpose of bringing himself within the above age limit.

The appointment will be subject to confirmation by the Minister of Health, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staff Regulations of the Council. The selected applicant will be required to pass a medical examination by and to the satisfaction of the Medical Officer of Health and to enter into a service agreement. The appointment will also be subject to three months' notice on either side.

The person appointed will be required to reside within the Borough of Ilford.

Applications on the prescribed form which (together with list of duties) is obtainable from my office, must be received by me at the Town Hall, Ilford, not later than the 8th day of October, 1937.

Canvassing, directly or indirectly, will be a disqualification.

CHARLES N. ROBERTS, Town Clerk.

Town Hall, Ilford, 20th September, 1937.

## County of Aberdeen.

PUBLIC HEALTH DEPARTMENT.

ASSISTANT MEDICAL OFFICER.

Applications are invited from qualified Medical Practitioners for the post of Assistant Medical Officer of Health for the County of Aberdeen.

Applicants must possess a registrable qualification in Public Health and have had specialised experience in the diagnosis, prevention, and treatment of tuberculosis.

The salary will be at the rate of £600 per annum, with increments of £50 per annum to £750. Travelling and other expenses will be allowed according to the Council's scale.

Applications (forms for which may be obtained from the undersigned) must be lodged with him, together with thirty copies of three recent testimonials, not later than 15th October.

H. L. F. FRASER, County Clerk.

County Buildings, Aberdeen, 21st September, 1937.

## City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

RADIOLOGIST.

Applications are invited for the above whole-time appointment from fully qualified registered Medical Practitioners who have had good experience in diagnostic radiology and who possess a recognised Diploma in Radiology.

Salary will be £800, rising by annual increments of £50, to a maximum of £1000 per annum.

The successful candidate will be required to pass an approved medical examination, and to contribute to the Superannuation Scheme established under the Local Government and Other Officers' Superannuation Act, 1922, as amended by Section 82 of the Birmingham Corporation Acts, 1935 (Annuities for Widows), and, if under thirty years of age, to join the Birmingham Municipal Officers' Widows' and Orphans' Pension Scheme. The appointment will be terminable by three months' notice on either side.

Further particulars of the appointment may be obtained from the Medical Superintendent of the Hospital.

Applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, and endorsed "Radiologist," should be sent to the Medical Superintendent, Selly Oak Hospital, Birmingham, not later than Wednesday, 13th October, 1937. F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, September, 1937.

## Essex County Council.

OLDCHURCH HOSPITAL, ROMFORD.

Applications are invited for the appointment of ASSISTANT RESIDENT MEDICAL OFFICER, chiefly for Casualty and Receiving Room duties at the above Hospital.

Candidates for the appointment must be registered Medical Practitioners of at least three years' standing and not over forty-five years of age, have held resident hospital appointments, and have had considerable experience in general hospital medical and surgical practice.

The salary for the appointment will be at the rate of £350 per annum, rising, subject to satisfactory service, by annual increments of £25 to £450 per annum, plus emoluments valued at £160 per annum.

The hospital is a general hospital with accommodation for approximately 880 patients, and is equipped with all modern Departments.

The appointment will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application, and the successful applicant will be required to pass a medical examination and to contribute 5 per cent. of the salary and emoluments to the appropriate Superannuation Fund.

Applications on the prescribed form, obtainable from the undersigned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Tuesday, the 5th October, 1937.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 20th September, 1937.

## Essex County Council.

JUNIOR ASSISTANT MEDICAL OFFICER.

The County Council of the Administrative County of Essex invite applications for the appointment of Junior Assistant Medical Officer at the BLACK NOTLEY SANATORIUM, near BRAINTREE.

This Sanatorium has 300 Beds for the treatment of pulmonary and non-pulmonary tuberculosis in men, women, and children, and has all modern facilities for diagnosis and treatment, together with a staff of visiting Specialists.

The appointment is for a period of one year, and the salary will be at the rate of £250 per annum, together with board, lodging, and laundry. The successful applicant will be required to pass a medical examination, and will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications in candidate's own handwriting, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials which will not be returned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Monday, 11th October, 1937. E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 21st September, 1937.

## THE ARMY DENTAL CORPS

Applications are invited from Dental Surgeons for appointment to a limited number of Commissions in The Army Dental Corps.

Candidates, who should not be over twenty-eight years of age, will for the present be selected for commissions without competitive examination, and will be required to present themselves in London for interview and physical examination towards the end of October, 1937. They must hold the degree or diploma of a British University or College of Surgeons, and be registered under the Dentists' Acts or Medical Acts.

Successful candidates will, in the first instance, be given short service commissions for six years, at the end of which period they will retire with a gratuity of £1000, unless they have been granted permanent commissions. Permanent commissions will be given to officers selected from among those who wish to make the Army their permanent career.

Particulars, including regulations for admission, pay, and allowances, and forms of application, may be obtained on request either in writing or in person to the Director, Army Dental Service, The War Office, London, S.W.1.

## King Edward Memorial Hospital,

EALING.
(131 Beds.)

Applications are invited for the post of—

HOUSE SURGEON (Male) to act in the Eye, Gynæcological and Ear, Nose, and Throat Departments. Six months' appointment with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, and accompanied by copies of two recent testimonials, to be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## Royal Manchester Children's Hospital,

PENDLEBURY.

Applications are invited for the post of Non-resident ASSISTANT MEDICAL OFFICER at the Out-patients' Department, Gartside-street, Manchester. Salary at the rate of £150 per annum, and the appointment is for a period of six months as from 8th November, 1937. Candidates must be on the Medical Register.

Particulars of duties can be obtained from the Secretary. The hours of duty are from 9 A.M. till 1 P.M. or until the work of the Dispensary is finished. Patients' attendances number about 100,000 per annum.

Applications, stating age, and accompanied by copies of not more than three testimonials, to be sent to the undersigned not later than Thursday, 7th October, 1937.

Canvassing, directly or indirectly, may disqualify.

By order.

H. HEARDMAN, Secretary.

## Lancashire County Council.

PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE, ASHTON-UNDER-LYNE, Near MANCHESTER.

APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Senior Resident Medical Officer at the above Hospital and Institution, comprising 300 and 525 beds respectively.

The Hospital is recognised as a complete Training School for Nurses.

Candidates must be unmarried.

Salary at the rate of £250 per annum, together with the usual residential emoluments.

The appointment will, in the first instance, be for a period of six months, the successful applicant being eligible for reappointment for a further period of six months at the end of that period.

Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Saturday, the 9th October, 1937.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 21st September, 1937.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE SURGEON to the Special Departments with care of beds for ear, nose, and throat, eye, gynæcological, and maternity cases. The appointment will be for six months from November 1st, 1937, but is terminable at an earlier date by one month's written notice on either side. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male) who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, October 6th, 1937.

J. A. BEARDSALL, Secretary-Superintendent.

## University of Birmingham.

FACULTY OF MEDICINE.

LECTURER IN BACTERIOLOGY.

Applications are invited for the post of Lecturer in Bacteriology and Assistant Bacteriologist in the Public Health Laboratory at a stipend of £400 per annum. Duties to begin as soon as possible. Previous teaching experience *not* essential.

The appointment is open to men and women who are Graduates in Medicine or Science of a British University.

Three copies of applications, with three copies of not more than three testimonials, should be sent to the undersigned, from whom further particulars may be obtained.

The last day for receiving applications is 9th October.

C. G. BURTON, Secretary.

The University, Edmund-street, Birmingham, 3.
September, 1937.

## Rauceby Mental Hospital,

Near SLEAFORD, LINCS.

Applications from registered Medical Practitioners (Male) are invited for the appointment of SENIOR ASSISTANT MEDICAL OFFICER.

Applicants must possess a qualification in Psychological Medicine, and one year's experience in a General Hospital will be considered an advantage. The salary will be £550 per annum, rising by annual increments of £25 to £600, together with emoluments (new unfurnished house, laundry, fuel, light, and vegetables) valued at £150 per annum.

The appointment is subject to the provisions of the Asylum Officers' Superannuation Act, 1909.

Applications, stating age and full particulars, with copies of three recent testimonials, to reach the Medical Superintendent not later than 7th October, 1937.

## Manchester and Salford Hospital for

SKIN DISEASES.
(54 Beds—16,500 Out-patients.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon. Must be registered. The appointment is for six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned, Quay-street, Manchester, on or before Oct. 7th.

JOHN NALL, Secretary.

## Royal Albert Edward Infirmary

AND DISPENSARY, WIGAN. (180 Beds.)

Wanted for twelve months, commencing October 1st, 1937, RESIDENT MEDICAL AND SURGICAL OFFICER AND REGISTRAR. Candidates must have held previous resident appointments at a Hospital. Preference will be given to those possessing the F.R.C.S. or M.S. Degree. The salary is at the rate of £250 per annum, with board, residence, and laundry.

Applications, giving proof of registration and not more than three testimonials, to be sent to the undersigned as soon as possible.

A. STANLEY BRUNT,
General Superintendent and Secretary.

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**Medical Practice wanted, near** Cambridge. Country preferred. Details in confidence to the National Medical Agency, Brown's Chambers, 63, Great George-street, Leeds, 1.

**Wanted, mixed Practice, large Panel** preferred. London or suburbs.—Address, No. 295, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**North-West Coast.—Practice** established 35 years. Held by vendor 28 years. Chiefly private, with 5 transferable appointments and small panel. Freehold house. Price for house and practice, £2,200.—Address, No. 300, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**North Devon.—Unopposed country** PRACTICE averaging over £1500, 800 Panel, £115 appointments. Nice freehold house and garden. Also, ASSISTANTSHIP with a view in Western City, £350 and house. —BECKTON'S MEDICAL AGENCY, 18, Dix's-field, Exeter.

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2. LONDON, SOUTH-WEST.—Well-estab. better working-class PRACTICE averaging about £3500 p.a., including panel of over 2300 patients. Very good house on rental in excellent repair with 5 bedrooms, &c., and very good professional accommodation.
3. SOUTH-WEST LONDON.—PRACTICE has been estab. over 40 years and has been held by vendor (who wishes to return abroad) about ten years. Gross receipts for last 12 months over £900, including panel of about 350, which could be increased. Suitable house with 5 bedrooms on rental. Moderate premium for quick sale.
4. KENT COAST.—Favourite seaside resort. PRACTICE established 40 years and now for disposal as Vendor is going abroad. Gross cash receipts average £1921 p.a., including about £550 from panel and £235 from Clubs. Good hospital. Vendor on staff. Scope for increase and for some surgery. Good freehold house available with ample accommodation. Freehold £1200. Premium 2 years' purchase.
5. DORSET COAST.—Very favoured locality. PRACTICE old-estab., held by Vendor for 10 years and only for disposal as he wishes to devote whole time to pathology. Gross cash receipts for past year about £1127. Selected panel of 250 patients. Fees 3s. 6d. upwards, including medicine. Visits from 5s. Few midwifery cases at from 3 guineas. Good house in ½ acre for disposal, freehold. Accommodation consists of consulting-room, 2 reception, 5 bedrooms, and 2 attics. Good garden and garage. Premium 2 years' purchase.
6. KENT.—Large town. PRACTICE (with scope for increase) established by Vendor 12 years ago now for disposal owing to ill health. Gross cash receipts are stated to be about £700 p.a., including a panel of about 800 patients. Fees, advice, and medicine 2s. 6d. Visits from 3s. 6d. to 5s. Midwifery from 3 guineas. House situated in a pleasant and secluded garden contains 2 large public rooms with commodious hall and staircase, 4 large bedrooms, &c., surgery and dispensary. Freehold for sale or might be rented. Prem. for house and practice £2000.
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8. HAMPSHIRE NUCLEUS.—Stated to be producing now at the rate of £5 per week and to offer considerable scope for an energetic worker.
9. COAST TOWN.—Old-estab. held by Vendor past 3½ years and now for disposal as he wishes to specialise. Gross earnings for year ending 31st March, 1937, approximately £2183. Panel of about 770 patients producing about £425 p.a. and appointments producing about £100 p.a. Fees 3s. 6d. and 5s. Visits from 5s. Good house available freehold £1100. Accommodation consists of consulting-room, 7 bedrooms, 2 reception-rooms, &c. Premium 2 years' purchase or near offer.
10. LINCS.—PRACTICE, which is practically unopposed and country, was established by the Vendor about 40 years ago and now for disposal owing to ill health. The receipts for past three years have been about £540 p.a. and there is stated to be good scope for increase as practice has been neglected. Panel of about 600 patients. Suitable house available on rental at £30 p.a. with 2 reception and 4 bedrooms. Garden and garage. Premium 1½ years' purchase.
11. EAST LONDON.—Old-estab. PRACTICE producing about £1800 p.a. Panel of nearly 2600 patients. Fees 2s. to 3s. Visits from 3s. Midwifery 3–5 guineas, about 20–30 cases yearly. Very good house on rental at £120 p.a. Accommodation consists of surgery, waiting-room, 2 reception and 4 bedrooms, 2 maids rooms and bathroom. Garage. Premium £3600.
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13. LANCS.—HIGH-CLASS SEASIDE AND RESIDENTIAL TOWN.—Easily worked old-estab. PRACTICE for Sale. Gross cash receipts about £1100 p.a., including a panel of about 325 patients. Fees 3s. 6d. to 10s. 6d.; visits 5s. to 21s. Midwifery about 12 cases p.a., minimum 5 guineas, rising to 15 guineas. Mostly non-dispensing. Low expenses. Suitable house available with consulting- and waiting-rooms, 2 reception, 3 bedrooms, and a maid's room and box-room. Large garden and garage. Leasehold for sale or would be rented. Premium 1½ years' purchase. There is stated to be good scope for increase for an energetic man.
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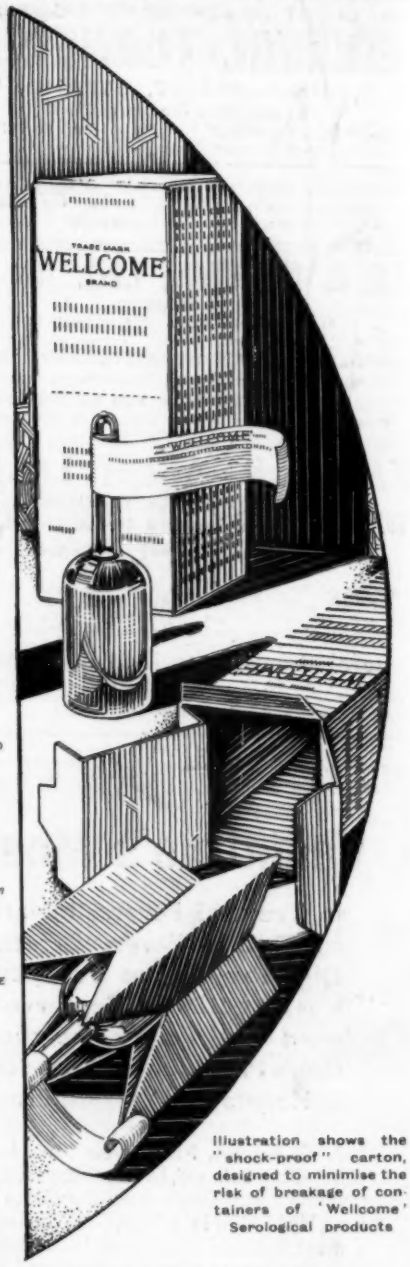


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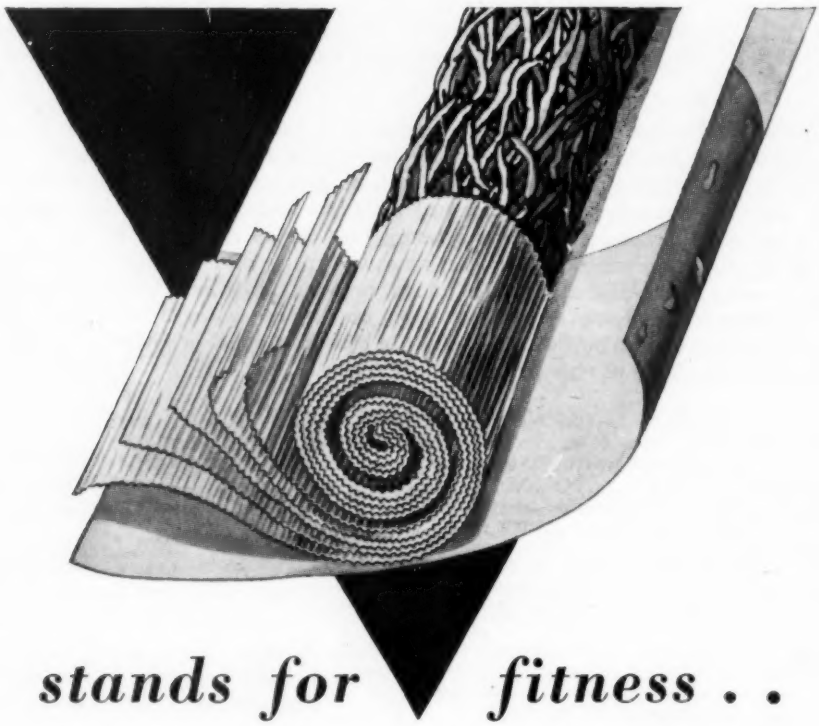

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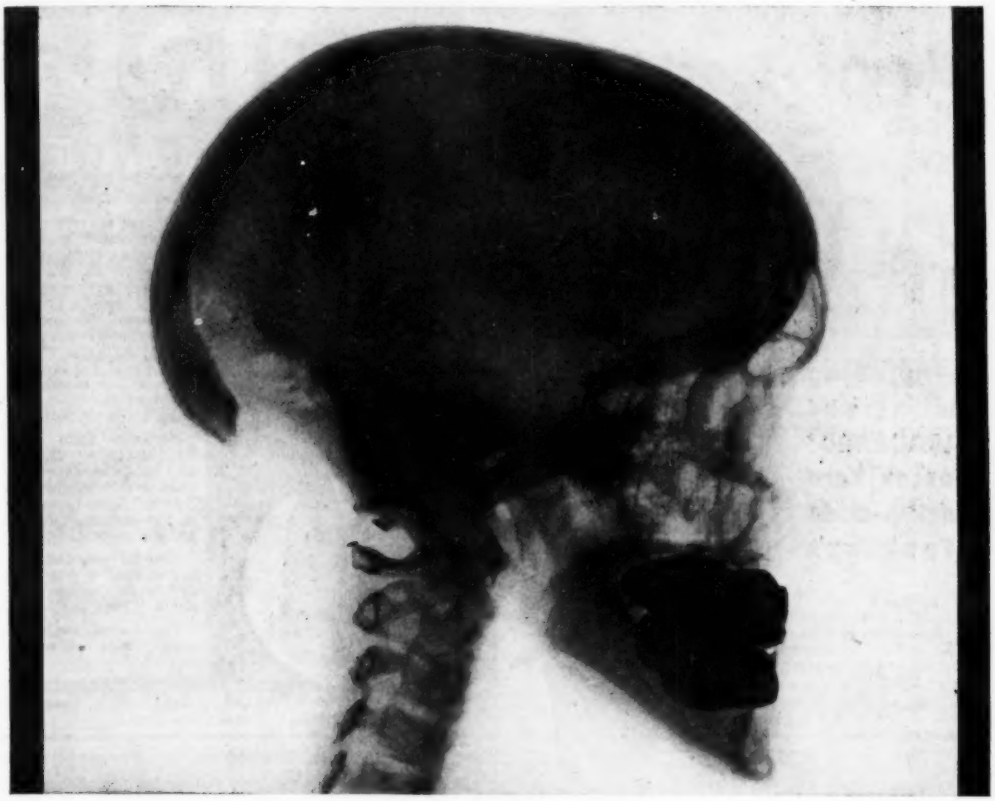

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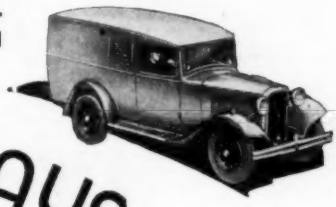

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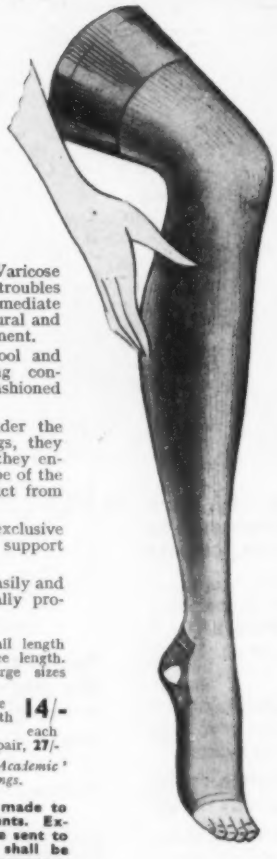

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| Carbohydrates | absent | 6.2% | Carbohydrates | absent | 9.1% | Carbohydrates | absent | 11.8% |
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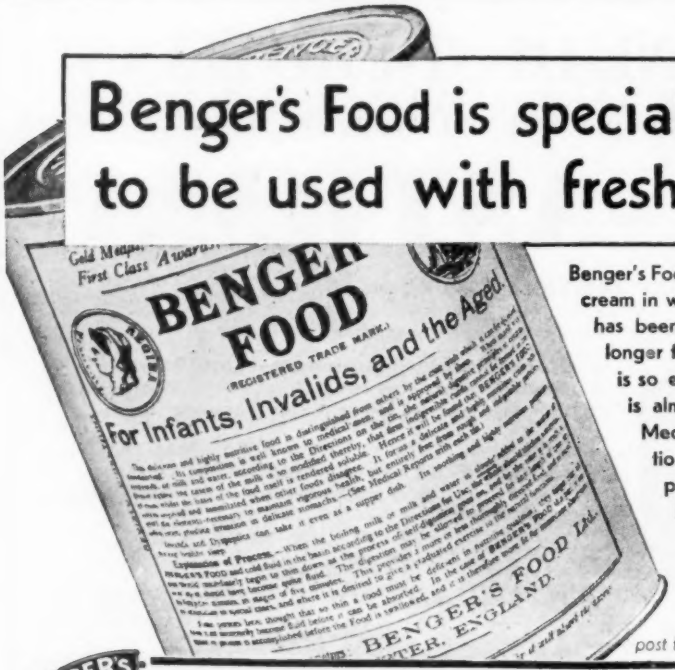


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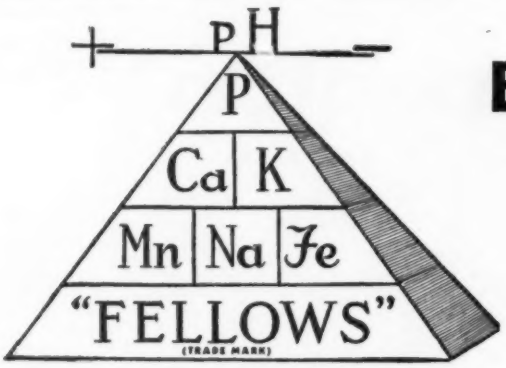


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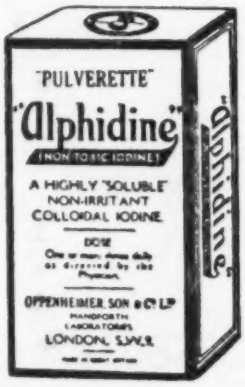


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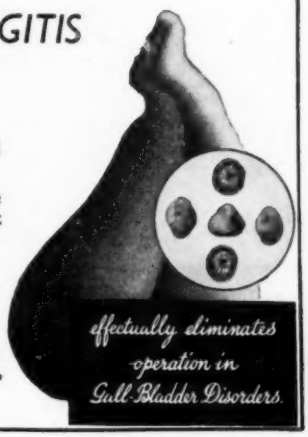


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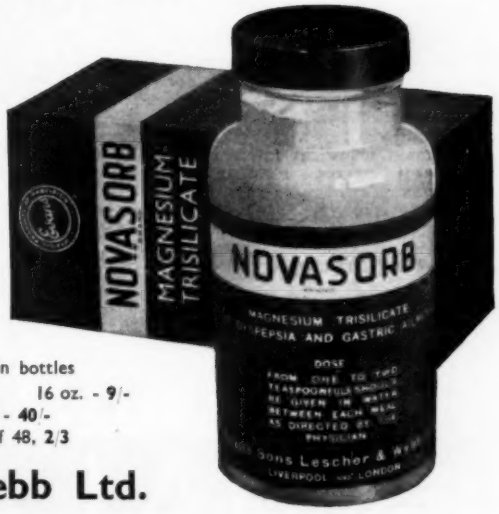


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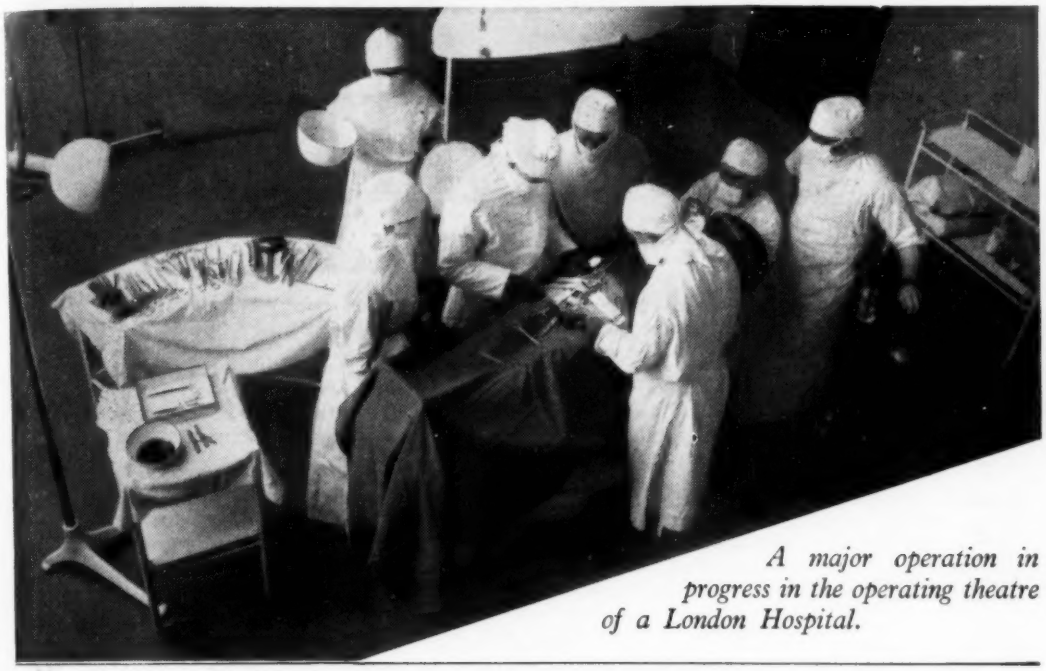
ALASIL

M268



*A major operation in progress in the operating theatre of a London Hospital.*

# DEGREES OF PROTECTION....

THE most elaborate precautions against every possible chance of germ infection are of course essential in the operating theatre. It would be ridiculous, however, to expect anything approaching this meticulous attention to antiseptic cleanliness in everyday hygiene and in the home treatment of superficial wounds.

The general public is nevertheless beginning to realise the importance of germ-free cleanliness. Hygienic standards to-day are higher than they have ever been. It is generally agreed by medical men that although regular use of antiseptics is not desirable or really necessary for ordinary toilet purposes, the use of a reliable antiseptic soap can play a very valuable part in the prevention of infectious disease. Face and hands are continually exposed to infectious germs, and require washing with Wright's Coal Tar Soap.

Wright's has substantial antiseptic and antipruritic qualities. For over 70 years it has enjoyed the confidence of the medical profession, and to-day more doctors use Wright's than any other brand of toilet soap. Wright's Coal Tar Soap is prepared from materials selected after stringent tests. It is the only soap in the world to contain 'liquor carbonis detergens,' the valuable dermatological therapeutic recommended by skin specialists the world over. In surgeries, hospitals, nursing homes and private households Wright's meets all the requirements of modern everyday hygiene. You can use it and recommend it to your patients with complete confidence.

**WRIGHT'S**
**COAL TAR SOAP**
*The Safe Soap*

*Wright, Layman & Umney Ltd., 44-50 Southwark Street, S.E.1*

# 'OVALTINE'

## For Restful Sleep

THE control of insomnia presents a problem that often cannot be effectively or safely solved by recourse to the use of hypnotic drugs.

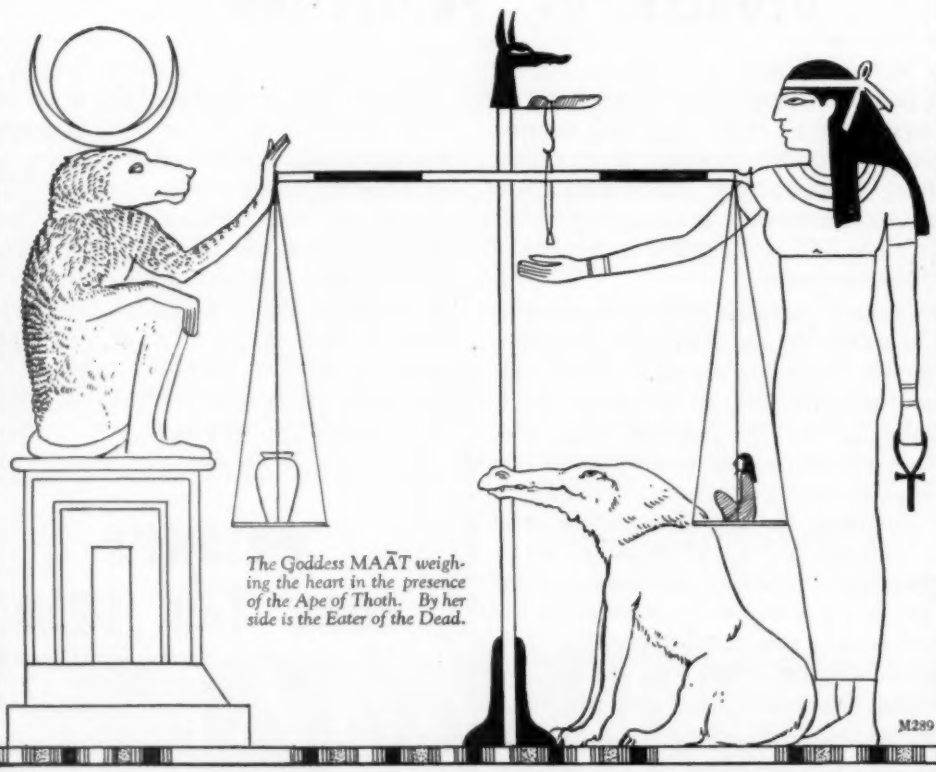
'Ovaltine' provides a safe and natural means of inducing sleep in many cases, especially where the basis of the insomnia is digestive unrest, nocturnal hunger or nervous instability. Taken before retiring, it promotes quiet and restful sleep, by reason of its gentle sedative effect on the nervous system and its faculty of assisting digestive ease.

'Ovaltine' is composed of pure natural food-stuffs only—fresh full-cream milk, new-laid eggs and rich malt extract. It is a really complete food, rich in readily assimilable calcium and phosphorus and in the vitamins A, B (complex) and D. It is possessed of a truly delightful taste and is appreciated by every type of patient.

*A liberal supply for clinical trial sent free on request.*

A. WANDER LTD., 184, Queen's Gate, London, S.W.7

Laboratories & Works: King's Langley, Herts.

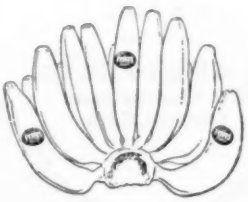



*The Goddess MAĀT weighing the heart in the presence of the Ape of Thoth. By her side is the Eater of the Dead.*

# THE THERAPEUTIC VALUE OF THE BANANA

**III. Coeliac Disease** This nutritional disturbance of early childhood has been found by *Haas* to give way very satisfactorily under treatment with bananas. The carbohydrates of the banana are tolerated perfectly, and combined with sour milk give a diet of high calorific value. The maximum number of bananas used in any one case was sixteen daily for a child of twenty-six months.

The *Haas* treatment is now being extensively used in European children's hospitals with excellent results. The method of administration is usually to rub fully ripe bananas through a sieve, and beat to a cream pulp with milk or other suitable liquid.



***N.B.*** In the fully ripe banana the starch content is reduced to about 3 per cent, having been changed into soluble sugars. A banana is ripe when all green has disappeared from the skin and brown spots have formed upon the yellow surface.

# MIST. PEPSINÆ CO. c BISMUTHO (HEWLETT'S)

## THE ORIGINAL PREPARATION

A useful remedy in **Dyspepsia**, especially when **Pyrosis** is a conspicuous symptom, and **Diseases of the Stomach.**

*(Not under the Dangerous Drugs Act)*

**"Undoubtedly a valuable and convenient preparation."**
**—THE LANCET**

**"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."**
**—BRITISH MEDICAL JOURNAL**

Dose:
Half to one drachm diluted.

In 5, 10, 22, 40, and 90-oz. bottles only.

Supplied also "Sine Opio" when desired.

**C. J. HEWLETT & SON, LTD.**
**35-42, Charlotte Street,**
**LONDON, E.C.2**

OVER 60 YEARS' REPUTATION

# MAXIMUM PROTECTION

## for irritated gastric mucosa....

# SIX

## thoroughly triturated therapeutic agents....

BISMUTH SUBNITRATE

MAGNESIUM CARBONATE

SODIUM BICARBONATE

PAPAIN

DIASTASE

PEPPERMINT OIL

Modern gastro therapy insists that the physical presentation of the drug employed on the irritated gastric mucosa should—as in 'BiSoDoL'—be of the most minute sub-division. Clinical samples will gladly be sent on request.

**BiSoDoL** REGD.

BISODOL LTD.

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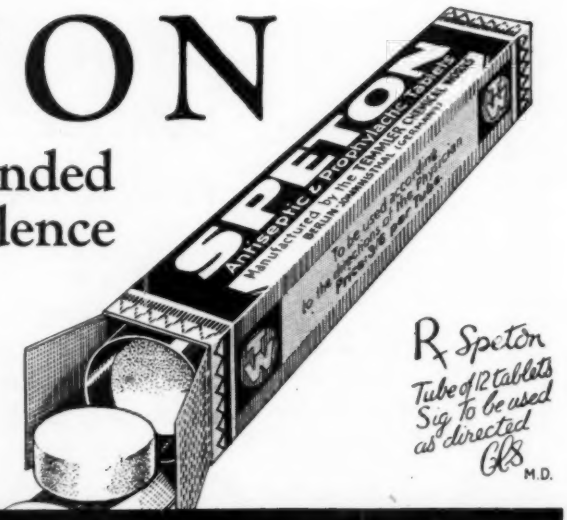
# *Contraceptive difficulties . . .*

## In such cases

# SPETON

## can be recommended with every confidence




℞ Speton
Tube of 12 tablets
Sig. To be used as directed
GS M.D.

Obtainable upon prescription through the pharmacist. On sale throughout the Dominions.

*Wholesale Distributors for the United Kingdom and the Dominions :—*

**COATES & COOPER, LTD.**

**94, CLERKENWELL ROAD, LONDON, E.C.1.**

# MEDISOAPS

(Midgley)

## *A Comprehensive Series of Medicated Soaps to 49 approved formulae*

The variety of the formulae for Medisoaps enables the physician to select a treatment adapted to the particular needs of each case.

Medisoap therapy is in line with the modern call for milder methods in the treatment of skin disease by topical application. In addition, the absence of grease renders Medisoaps acceptable to patients who object to the unsightliness of ointments.

***The following Medisoaps are extensively prescribed :—***

## MEDISOAP No. 19

Presents sulphur in a form which is active and non-irritating.
For **Acne, Psoriasis, Scabies, etc.**

*Formula :—Sulphur Præcip. P.B.* ... 5%
*Camphora* ... ... ... 5%
*Balsam Peru* ... ... 3%

## MEDISOAP No. 18

Specially useful in **Acne Vulgaris.**

*Formula :—Sulphur Præcip. P.B.* ... 10%
*Betanaphthol* ... ... 2½%
*Medisoap Pure Base* ... 87½%

## MEDISOAP No. 10

A cleanly and effective method of applying Ichthammol.

*Formula :—Ichthammol* ... ... 10%
*Medisoap Pure Base* ... 90%

**A Brochure (with a convenient clinical index) giving the full formulae, will be gladly sent on application.**

*Medisoaps are made by Charles Midgley Ltd., Manchester,*
and distributed by

**Evans Sons Lescher & Webb Ltd.**

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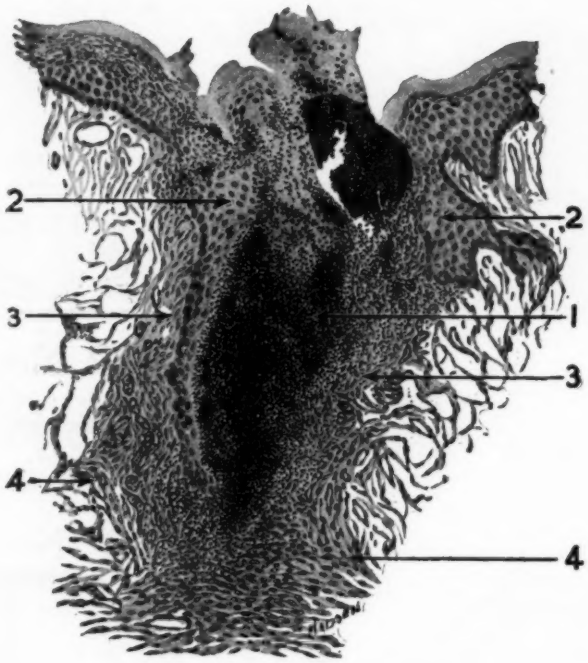
# Underlying All Inflammation

## *. . . is change in the Capillary Net-work*

**Lessened resilience and permeability of the capillary wall, stasis in capillary channels, cause a decrease in tissue nutrition, lowered local resistance, and serious damage to the tissue cells**

*Made in England*




**Section through healing wound**

1. Dead cells and detritus.
2. Regenerating epithelium.
3. Regenerating connective tissue.
4. Budding new capillaries.

**The application of hot**

# *Antiphlogistine*

**Brand Dressing**

**stimulates capillary activity, brings fresh fluids and cells to the part, and thus *accelerates the entire reparative process.***

*Generous clinical sample and descriptive literature on request from*

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## ANAL APPLICATIONS

INDICATIONS: *Hæmorrhoids, Anal Fissures, Pruritus ani.*

Fissan Brand Anal preparations incorporate their carefully balanced soothing and healing constituents in a physical state of high dispersion with increased surface action and efficacy.

The base is a milk albumin fat emulsion with marked penetrating power for the mucous membranes, possessing antipruritic and healing properties.

Fissan Brand Anal Ointment is suitable for external and internal lesions.

Fissan Brand Suppositories are the most convenient form for rectal application.

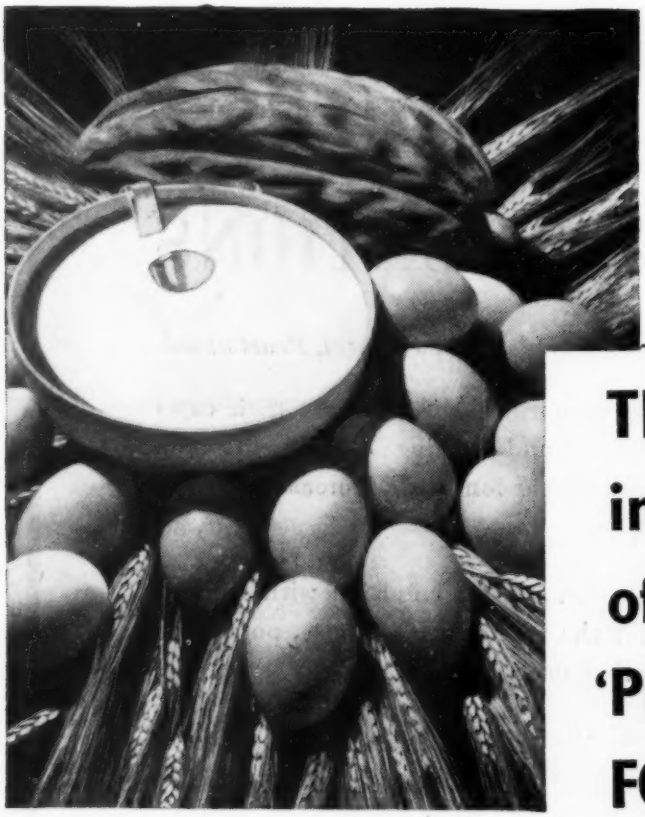
These preparations are odourless and do not stain linen.

**FISSAN** PREPARATIONS

*BRAND*

*Literature, with a section on the formation of prescriptions, and samples, will be gladly supplied on application to:*

**GENATOSAN LTD,** Fissan Dept., **LOUGHBOROUGH, LEICS.**



# The importance of 'PROTECTIVE' FOODS

¼ lb. 9d.
½ lb. 1/5
1 lb. 2/9

Although the main 'protective' foods—milk, eggs, fresh fruit, vegetables naturally figure in every normal diet, most doctors agree that an *additional* daily safeguard is advisable.

Many practitioners are finding Bourn-vita invaluable as a preventative against deficiency diseases. Bourn-vita contains the vitamins A, B and D; also calcium, phosphorus, iron and other essential mineral salts.

Modern methods of manufacture enable Cadbury's to sell Bourn-vita at the very low price of 9d. per ¼ lb.

CADBURY'S

# BOURN-VITA

THE PROTECTIVE FOOD

# ANAHÆMIN B.D.H.

## *In the treatment of pernicious anæmia*

Treatment of pernicious anæmia patients with Anahæmin B.D.H. possesses a two-fold advantage: it is effective and, at the same time, inexpensive. Both these advantages accrue from the fact that Anahæmin is a highly potent substance, thus dosage is low and the intervals between injections are long.

A remarkable reticulocyte response is evident within a few hours of the first injection; there is also an appreciable rise in the red blood count, which reaches normal in five to six weeks in the majority of cases. Clinical reports to this effect are available from all parts of the world; one such report is cited below:—

'. . . I have had a striking case of success with Anahæmin B.D.H. I attended a woman showing every symptom of genuine pernicious anæmia. Red blood count 536,000, and extreme debility. It was impossible to provoke the slightest sign of blood in the hand or leg. Initial injection 3 c.c., followed by 1 c.c. two days later, and 1 c.c. five days later. In 10 days the woman was moving about the house freely and eating well, hands and legs a natural flesh colour.'

Anahæmin B.D.H. is available in 1 c.c. and 2 c.c. ampoules, also in rubber-capped vials of 30 c.c.

*Sample on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

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# SEX HORMONE THERAPY

## Two Ovarian Hormone Preparations of proved activity and strength

## OVOSTAB

TRADE MARK BRAND

### Oestradiol Benzoate

Prepared from pure crystalline oestradiol benzoate, and supplied as an oily solution for intramuscular injection in the treatment of Amenorrhœa, Menopause, Chronic Mastitis and cases of Ovarian Deficiency.

Supplied in 1.1 c.c. ampoules containing 2,000, 10,000 and 50,000 International Benzoate Units per c.c. Single ampoules and boxes of six ampoules.

## OVOSTAB TABLETS

### Oestrone

1,000 and 10,000 International Units per tablet. Bottles of 25.

## LUTEOSTAB

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### Corpus Luteum Hormone

An oily solution of the corpus luteum hormone for intramuscular injection for use in conjunction with Ovostab in treating Amenorrhœa and for the treatment of Abortion, Menorrhagia, and cases of Corpus Luteum Deficiency.

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Obtainable through all Branches of The Boots Chemists

Literature sent on request

Wholesale and Export Department

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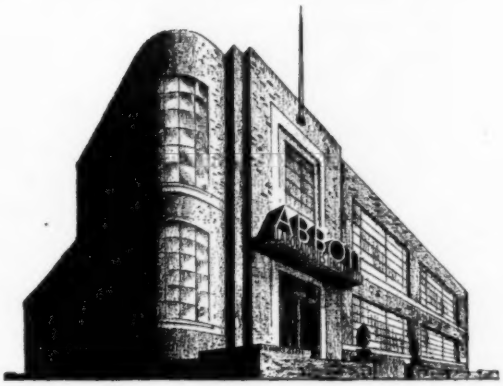


# ABBOTT LABORATORIES

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***Announces the opening of its new manufacturing laboratories and executive offices at***

## WADSWORTH RD. PERIVALE, MIDDX.

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Here—in new, spacious, well-lighted premises — has been installed the most modern equipment for the manufacture of Abbott pharmaceutical products; as well as every scientific device for controlling their quality and purity.

Medical practitioners and pharmacists are cordially invited to visit and inspect our new works at any time. (Conveniently reached from any point in the London metropolitan area by Underground, Bus or Motor Car.

***Enquiries concerning these and other Abbott preparations are welcomed:***

**NEMBUTAL** (Brand) **PRODUCTS**

**HALIVER** (Brand) **OIL**

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**COFRON** (Brand **LIVER CONCENTRATE AND ELIXIR**

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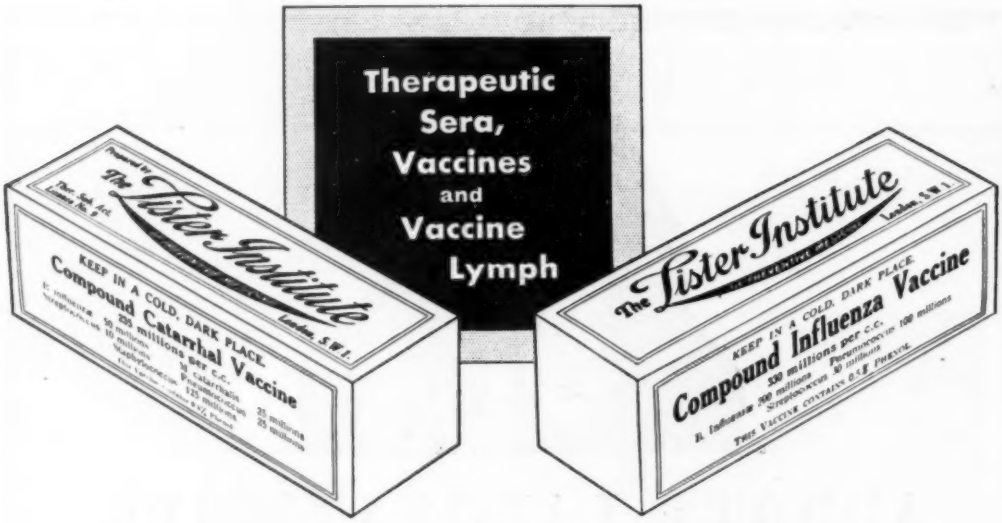
**METAPHEN &** (Brand **METAPHEDRIN**

**GLUCOPHYLLINE** (Brand) **TABLETS**




# The Lister Institute
OF PREVENTIVE MEDICINE

## Compound
## Catarrhal Vaccine

In catarrhal conditions of the respiratory passages mixed infections are found more often than pure infections with one type of organism. *Bacillus influenzæ*, Pneumococcus, and *Micrococcus catarrhalis* are believed to be the commonest primarily infecting organisms, but Streptococcus and Staphylococcus seem to be responsible for many of the secondary infections. A mixed vaccine has been prepared from these five kinds of bacteria. It is generally given as a prophylactic, but may also be used in acute respiratory infections.

DOSAGE.—Prophylaxis: 1st dose, 50 million *B. influenzæ*, 10 million Streptococcus, 25 million *M. catarrhalis*, 25 million Pneumococcus, 125 million Staphylococcus Subsequent doses at intervals of 7 to 10 days, gradually rising to 8 times the original dose. Then 4 to 8 times the initial dose every 4 to 8 weeks.

Treatment—$\frac{1}{10}$ to $\frac{1}{5}$ of the prophylactic doses.

PRICES—Ampoules containing

| | | |
|---|---|---|
| 235 | million organisms per c.c., each | **2/6** |
| 470 | " " " " | **2/6** |
| 940 | " " " " | **2/6** |
| 1,880 | " " " " | **2/6** |

10 c.c. rubber-capped vials containing
470, 940 or 1880 million organisms per c.c., each **15/-**
25 c.c. ditto ditto, each **25/-**

## Compound
## Influenza Vaccine

The Compound Influenza Vaccine prepared by the Lister Institute contains the chief types of bacteria found in the catarrhal secretions of the respiratory passages in epidemic influenza; viz.: *B. influenzæ*, Pneumococcus, and Streptococcus. It is primarily intended as a prophylactic, but may also be used for treatment.

DOSAGE.—Prophylaxis: 1st Dose, *B. influenzæ* 200 million, Pneumococcus 100 million, Streptococcus 30 million = 330 million organisms; 2nd dose, 660 million organisms, 7 to 10 days later. In treatment 1/5th to 1/20th of the prophylactic doses may be given, commencing with the lower dose in severe cases.

**Compound Influenza Vaccine**

PRICES—
In ampoules of 1 c.c. containing 330 or 660 million organisms per c.c., each **2/6**
In 10 c.c. rubber-capped vials containing 660 million organisms per c.c., **15/-**
25 c.c. ditto ditto **25/-**

**Sole Distributors for the Lister Institute:**

# Allen & Hanburys Ltd.
**London, E. 2**

# In Gastro-Intestinal Disorders

In such conditions it is a primary consideration that the food should be light and unirritating. In gastric and duodenal ulceration and in the dyspepsias,

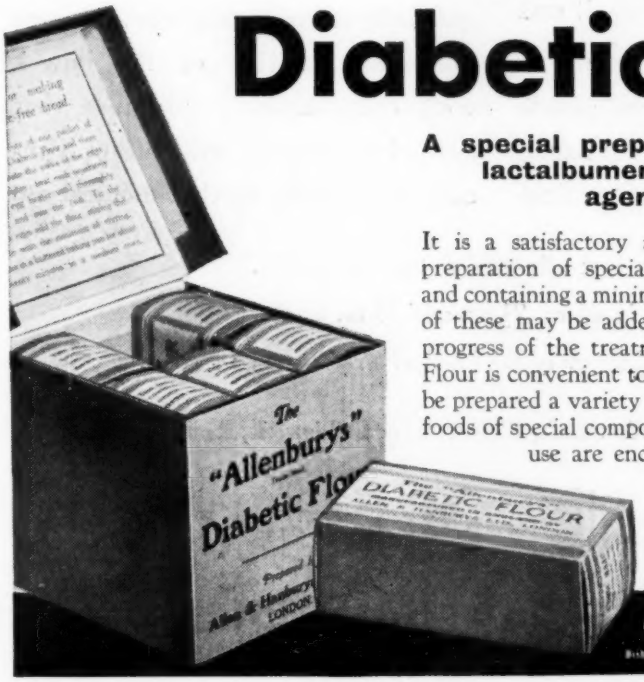
## 'ALLENBURYS' BEEF JUICE

may safely and advantageously be given, where beef tea would often increase the pain and have a harmful effect. Because of its high protein and vitamin content, obtained by preparation at a low temperature and concentration *in vacuo*, 'Allenburys' Beef Juice provides a valuable means of keeping up a patient's strength in persistent sea-sickness and in such diseases as dysentery and cholera.

*Descriptive literature and clinical trial sample will be sent on application.*

**ALLEN & HANBURYS LTD.**
**LONDON, E.2**
Telephone: Bishopsgate 3301 (12 lines) Telegrams: "Greenburys Beth London"

# "Allenburys" Diabetic Flour




**A special preparation of caseins and lactalbumen to which leavening agents are added**

It is a satisfactory and convenient product for the preparation of special foods, free from carbohydrates, and containing a minimum of fat; or definite proportions of these may be added as tolerance increases with the progress of the treatment. The "Allenburys" Diabetic Flour is convenient to use, and keeps well. From it may be prepared a variety of palatable and highly nutritious foods of special composition. Recipes and directions for use are enclosed with each packet.

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Among the therapeutic measures advocated for overcoming constipation, none has proved more consistently successful than AGAROL—the original emulsion of mineral oil and agar-agar with phenolphthalein.

Agarol renders the fæcal mass plastic and pliable with unabsorbable moisture. It lubricates the intestinal tract and gently stimulates peristalsis, ensuring an easy and complete evacuation.

Used over a reasonable period, Agarol gradually restores muscular tone and functional activity of the bowel, with the gratifying assurance that natural evacuation will follow without the need for further medication.

**Agarol is not advertised to the public.**

*Supplied in 4½ oz. 7½ oz. and 17 oz. bottles.*

*Trial supplies to Members of the Medical Profession on request.*

**William R. Warner & Co., Ltd., Power Road, Chiswick, London, W.4**

TRADE MARK **'TABLOID'** BRAND

# SULPHONAMIDE-P

(*p*-aminobenzenesulphonamide or sulphanilamide)

## 0·5 gramme

*For Oral administration*

Successfully employed in Hæmolytic Streptococcal Infections such as:—

Streptococcal Septicæmia, including Puerperal Septicæmia, Scarlet Fever with Complications, Erysipelas and Tonsillitis. Also in Meningococcal Infections, Gonococcal Infections and Urinary Tract Infections, *e.g.*, *B. coli.*

Trial is also justified in:—

Staphylococcal Septicæmia and Staphylococcal Infections, Typhoid and Paratyphoid Fevers.

Bottles of 25 products, at **2/-** per bottle
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*Literature to Medical Men on request*

*Reduced facsimile*

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*For Parenteral or Oral administration*

TRADE MARK **'WELLCOME'** BRAND

# SULPHONAMIDE-P

Bottles of 25 grammes, **3/2** per bottle
Bottles of 100 grammes, **11/4** per bottle

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THE TEMPLE BAR END OF OLD FLEET STREET

FLEET STREET, known in the 13th century as Fleetbridge Street, is one of the most interesting and most ancient of all the City of London thoroughfares. Famous in past days for its taverns and printing houses, its goldsmiths and bankers, it is now the headquarters of journalism. Temple Bar the most interesting of all London gates and bars, first built in the 14th century, was removed in 1878.

London Hospital Catgut has no less finer traditions behind its development to a leading place in the esteem of Surgeons the world over. It is a product of scientific research, made throughout at the London Hospital under licence of the Ministry of Health.

# LONDON HOSPITAL CATGUT

OBTAINABLE FROM ALL LEADING SURGICAL EQUIPMENT HOUSES

# EXAMEN Liver Extract

FOR PARENTERAL USE IN

## Pernicious and other Macrocytic Anaemias

No other commercial liver extract is so highly concentrated as Examen. The haemopoietic factor derived from 100 *grams* of fresh liver is contained in an average of only 10-15 milligrams *per 2 cc. ampoule.* Moreover the remarkably low total solid content represents a minimum of inert matter. Examen is painless on injection and free from allergic reactions.

**PROVEN UNIFORMITY** The introduction of Examen was intentionally delayed for many months until extensive clinical trials proved its high potency and purity to be constant and completely dependable.

**RATIONAL DOSAGE** The dosage scheme for Examen is based, not on dramatically favourable nor even on "average" responses, but on amounts known by continued clinical tests to be *more than sufficient* in treatment and maintenance.

For Treatment: *4 cc. and then 2 cc. each fortnight until blood count is normal.* For maintenance: *2 cc. each 3-5 weeks.*

Prices: 3 x 2 *cc. G.L. ampoules* 13/4. 6 x 2 *cc. ampoules*, 25/-.
*Less usual professional discount.*

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G.L. 273.

*Required together in everyday practice*

# CALCIUM and VITAMIN D

THE varied everyday therapeutic calls for calcium and its necessary complement, vitamin D, emphasise the special value of Ostocalcium Tablets. Each tablet contains 7½ grains of the soluble and diffusible calcium sodium lactate—a clinically adequate quantity—and 500 international units of vitamin D incorporated in the pure crystalline form.

*Supplied together in*

## OSTOCALCIUM TABLETS

SPECIAL INDICATIONS ARE:

*Capillary effusion and oedema, as in nettle-rash, etc.*

*Neuro-muscular disorders, as in cramps and tetany.*

*Backward dentition and skeletal development of children.*

*Excessive menstrual or post-operative bleeding.*

*Delayed union of fractures.*
*Allergic states.*

*To assure adequate calcium reserves for expectant mothers.*

*Cleavage lines facilitate halving or quartering.*
*Tins of 50, 2/3, 100, 4/-, 500, 12/6, 1.000, 17/6.*
*Less usual professional discount.*
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# Ventron Capsules

Each capsule contains:

Ventriculin (Concentrated) ... 5 grs. (equivalent to 15 grs. of Ventriculin).

Naferon (Iron and Sodium Citrate Neutral) ... 2 grs.

Vitamin $B_1$ 20 International units

Vitamin $B_2$ 5 Sherman units

'VENTRON' is a combination suitable for the treatment of many forms of primary and secondary anæmia and for use as a general hæmatinic and tonic in any form of debility, especially in patients recovering from operations or severe infections. It contains desiccated gastric tissue (Ventriculin) in concentrated form, together with the vitamin B complex and iron and sodium citrate—a neutral soluble iron compound that is practically non-irritating to the gastro-intestinal tract and has a decided advantage over most other iron preparations. 'Ventron' is issued in hermetically-sealed capsules, which eliminate the odour, taste and bulk associated with other methods of exhibiting desiccated gastric tissue.

*Supplied in bottles of 50 capsules.*

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*Laboratories: Hounslow, Middlesex.* *Inc. U.S.A., Liability Ltd.*

# 'ENTORAL'

TRADE MARK BRAND

## ORAL COLD VACCINE

**FOR PROPHYLACTIC IMMUNISATION TO RESPIRATORY INFECTIONS AND PARTICULARLY TO THE COMMON COLD**

'ENTORAL' IS AN IMMUNISING ANTIGEN WHICH, WHEN GIVEN ORALLY, WILL PRODUCE HETEROPHILE ANTIBODY IN SUFFICIENT AMOUNTS TO INCREASE MATERIALLY THE RESISTANCE OF INDIVIDUALS TO RESPIRATORY INFECTIONS. ISSUED IN PACKAGES OF 20 AND 60 'PULVULES' BRAND FILLED CAPSULES

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*Distributing Agent in Britain for*

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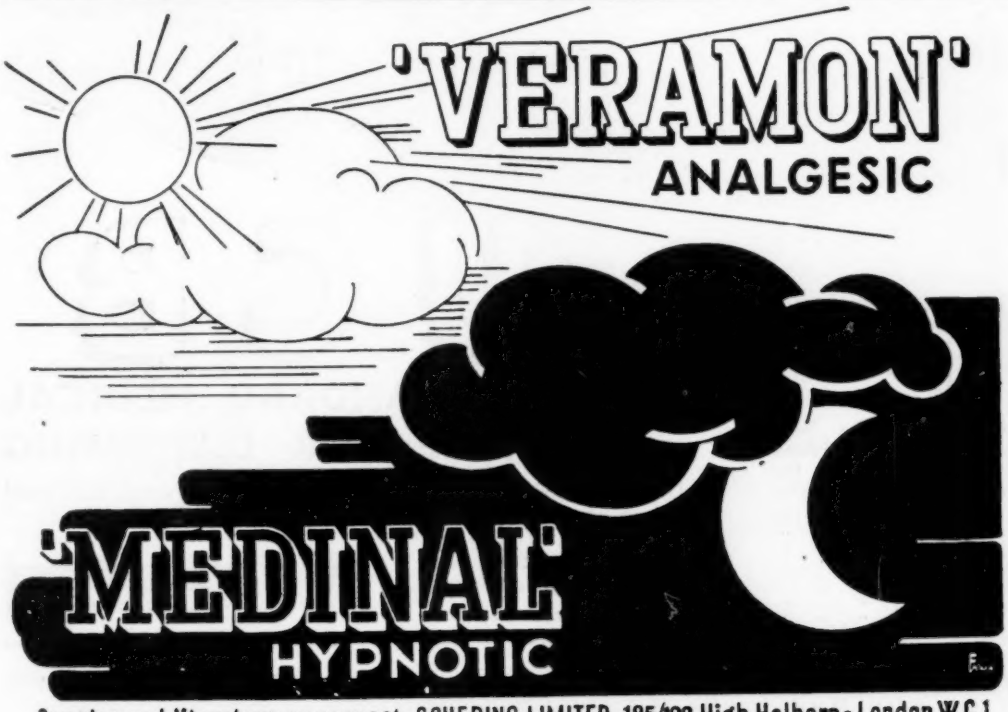


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*Packed in Sealed Non-Returnable Standardized Fibre Cartons in the following quantities only:*

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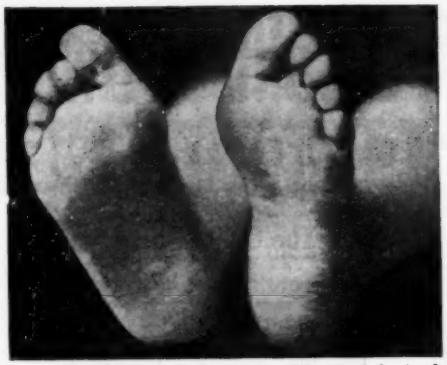

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**Nov. 5th:** The Physiological Basis for Physical Medicine. Sir LEONARD HILL, F.R.S.

**Nov. 12th:** Physical Medicine in the Rheumatic Diseases. (General Survey.) Sir WILLIAM WILLCOX, K.C.I.E., C.B., C.M.G.

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**Dec. 3rd:** Physical Medicine in the Rheumatic Diseases. (Manipulative and Orthopædic.) Mr. A. G. TIMBRELL FISHER.

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**1938**

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The Inaugural Lecture to the Education Course will be delivered in the GREAT HALL, BRITISH MEDICAL ASSOCIATION HOUSE, Tavistock Square, W.C.1, by kind permission of The British Medical Association on Friday, October 8th, 1937, at 5 P.M. by CHARLES E. WHEELER, M.D., B.S., B.Sc.Lond., entitled "A Hundred Years of a Heresy."

The Chair will be taken by SIR JOHN WEIR, K.C.V.O., M.B.

Medical Practitioners and Senior Students of Medicine are invited to attend this Lecture.

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**WINTER SESSION 1937-38.**

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On the first THURSDAY of the month the hour is 3.30 P.M.

### THE COMPTON-BURNETT LECTURES.

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### TUTORIAL CLASS.

A Class for individual Study of the Materia Medica by the Repertory and References to Patients will be conducted by DOUGLAS M. BORLAND, M.B., Ch.B. Glasg., Physician to The London Homœopathic Hospital, on FRIDAYS, at 6.15 P.M., October to March, commencing October 15th.

### CLINICAL TUTORIALS.

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49, Bedford-square, W.C.1, October, 1937.

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The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

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# BETHLEM ROYAL HOSPITAL

## FOR NERVOUS AND MENTAL DISORDERS

**Monks Orchard, Monks Orchard Road, Eden Park, Beckenham, Kent.**

*Reg. Tel. Address:* BETHLEM, BECKENHAM. *Telephone:* SPRINGPARK 1180–1181.

*Station:* EDEN PARK (Southern Railway)

*President:* VISCOUNT WAKEFIELD OF HYTHE, G.C.V.O. *Treasurer:* Sir LIONEL FAUDEL-PHILLIPS, Bart.
*Physician-Superintendent:* J. G. PORTER-PHILLIPS, M.D., F.R.C.P.

This Registered Hospital is now situated at Monks Orchard, in some 250 acres of park, pleasure and farm grounds. Applications can be considered on behalf of patients of the educated classes in a presumably curable condition.

With a view to early treatment, voluntary or uncertified patients are admitted.

Patients who can contribute 5 guineas weekly towards the cost of treatment and maintenance may be received as vacancies arise. The Committee will also consider applications for admission at lower rates and in certain cases will be prepared to admit patients free of charge.

Every facility for specialised investigation and treatment is provided in the Lord Wakefield Science and Treatment Unit. In this Unit is found the X-ray and Dental Departments, and the Bio-Chemical, Pathological, and Psychological Laboratories.

Furthermore, provision is made for Electro-Therapy and Hydro-Therapy to be carried out in all their forms, and occupational therapy under competent instruction is encouraged.

In addition to the Resident Medical Staff, Consultants in special branches of Medicine and Surgery are available whenever required.

The comfort of sensitive patients is greatly enhanced by the fact that the majority are given single bedrooms.

For forms and further particulars apply to the Physician-Superintendent at the Hospital.

# THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: 51.

# FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

*For terms, which are very moderate, apply to the proprietor. Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9*

# HAYDOCK LODGE,

## NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

# THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

*Med. Supt:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

# THE CLINIC

**20 Devonshire Place**
**London, W.1**

*Tel.: Welbeck 4444 (20 lines)*

## A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
2 Resident Medical Officers (for emergencies).
Patients only received under the supervision of their own Medical Practitioner.
Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

# Smedley's

Great Britain's Greatest Hydro

**Matlock**

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

*Resident Physicians:* G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 12s. to 18s. per day, inclusive of board.**

*Illustrated Brochure C.J. and full information on request.*

*Telephone*—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

# The Ideal Climate and the Empire's Loveliest Spot!

Tranquil — sunny — smiling — the Bahamas climate is unique in its health-giving properties. Fresh, even and vitalizing, Bahamian air is warmed by the sun of the sub-tropics and fanned by the light trade winds. The average temperature is 70°.

Famed for its rest and relaxation as well as for its sport and entertainment, the Bahamas offer golf, tennis, sea bathing from coral beaches — sun bathing — riding, game fishing, yachting, entertainment and dancing. Fast and frequent steamship service. Splendid accommodation to suit all purses. Only fifty miles from fashionable Florida.

*For information apply to*

**CUNARD WHITE STAR S.S. CO.**
**PACIFIC STEAM NAVIGATION CO.**
or direct to the
**Nassau (Bahamas) Government Information Bureau**
**211, PICCADILLY, W.1.**

**NASSAU** IN THE BAHAMAS

## THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

## Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

## St. Bartholomew's Hospital.

OFFICE OF PHYSICIAN TO THE PSYCHOLOGICAL DEPARTMENT.

Notice is hereby given that a Meeting of the Election Committee will be held on Tuesday, 2nd November, 1937, at 4 o'clock in the afternoon to elect a Physician to the Psychological Department of the Hospital.

Candidates, who must be Fellows or Members of the Royal College of Physicians of London, should have had practical experience in Psychiatry and of the management of Out-patients with Neurosis and Mental Disorder, and should be free to attend the Hospital and see patients on three half-days a week.

Candidates are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Saturday, 16th October, 1937.

THOMAS HAYES, Clerk to the Governors.

2nd September, 1937.

## London Hospital, E.1.

There are vacancies for Two HONORARY ASSISTANT DENTAL SURGEONS. The successful candidates, who will also receive an appointment in the Dental School, will each be required to attend on two afternoons a week.

Applications, with copies of testimonials, should be sent to the House Governor and should arrive not later than on Wednesday, October 20th.

A. G. ELLIOTT, House Governor.

## The London Chest Hospital,

Victoria Park, E.2.
(Formerly City of London Hospital for Diseases of the Heart and Lungs.)
(Bus, Tram, and Rail, Cambridge Heath L.N.E. Railway.)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on November 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.

Applications, with copies of three testimonials, should be sent to the Secretary on or before Wednesday, 6th October.

N.B.—Vacancies occur at an interval of two months.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.
(Out-patient Department, Bayham-street, Camden Town, N.W.1.)

The Council invite applications for the appointment of SURGEON TO OUT-PATIENTS.

Candidates must be Fellows of the Royal College of Surgeons, England.

Applications, stating age, qualifications, and experience, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th.

Candidates will be required to call upon members of the Honorary Medical Staff of the Hospital.

Full particulars, together with the Regulations governing the appointment, may be obtained on application to the Secretary, Hampstead General and North-West London Hospital, Haverstock-hill, N.W.3.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.
(Out-patient Department, Bayham-street, Camden Town, N.W.1.)

The Council invite applications for the appointment of PHYSICIAN TO OUT-PATIENTS.

Candidates must be Members or Fellows of the Royal College of Physicians, London.

Applications, stating age, qualifications, and experience, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th.

Candidates will be required to call upon members of the Honorary Medical Staff of the Hospital.

Full particulars, together with the Regulations governing the appointment, may be obtained on application to the Secretary, Hampstead General and North-West London Hospital, Haverstock-hill, N.W.3.

## Hospital for Consumption and Diseases

OF THE CHEST,
Brompton, S.W.3.

The Committee of Management invite applications for the following posts:—

RESIDENT SURGICAL OFFICER.—Candidates must have held a Resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing November 1st.

ASSISTANT RESIDENT MEDICAL OFFICER.—Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose, and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing November 1st.

HOUSE PHYSICIANS.—There are three vacancies. The duties include work in the Out-patient Department and in the Wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing November 1st, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, October 9th.

Brompton, September, 1937. F. G. ROUVRAY, Secretary.

## Radium Beam Therapy Research,

AT THE RADIUM INSTITUTE,
1, RIDING HOUSE STREET, LONDON, W.1.

ASSISTANT MEDICAL OFFICER, resident, salary £150, non-resident, salary £250 per annum. Six months' appointment from November 1st, 1937.

Applications, stating age qualifications, and experience, with copies of three recent testimonials, to be sent to the Secretary, Radium Beam Therapy Research, not later than October 5th. The selected candidate will assist with the working of two five-gramme Radium units, and will have the opportunity of combining post-graduate studies with this appointment.

# ROYAL AIR FORCE MEDICAL SERVICE

Applications are invited from Medical Men for appointment to COMMISSIONS in the MEDICAL BRANCH of the ROYAL AIR FORCE for entry in January, 1938.

Candidates must be of pure European descent. They must be British Subjects, the sons of British Subjects and registered under the Medical Acts.

Candidates must be under *31 years of age* on the 3rd January, 1938, and will be selected after interview by a selection board without competitive examination.

Hospital appointments held since qualifying will, under certain conditions, qualify candidates for antedate of commission up to a maximum of one year; the age on entry may, if necessary, be increased by a period equal to the "antedate."

Selected candidates will be appointed to short service commissions (for 3 years extendible to 5 years) followed by 4 years service in the Reserve, and will be eligible to be considered for Permanent Commissions during their second or third year of service. Officers not selected for permanent commissions receive gratuity as follows, on transferring to the Reserve :—

| | |
|---|---|
| On completion of 3 years .. .. .. .. .. .. | £400 |
| " " " 5 " .. .. .. .. .. .. | £1,000 |

Copies of the regulations for entry and conditions of service, including rates of pay and allowances, also form of application, may be obtained on application from :—

The Secretary, Air Ministry (D.M.S.),
Adastral House, Kingsway, W.C.2.

Completed applications from intending candidates for the vacancies in January, 1938, must be received in the Air Ministry not later than the 15th of November, 1937.

# ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in January, 1938.

Candidates below the age of 28 years are preferred and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance, which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 22nd November, 1937.

# HIS MAJESTY'S COLONIAL SERVICE

## COLONIAL MEDICAL SERVICE

The Secretary of State for the Colonies proposes to select within the next few months not less than **12 MEDICAL OFFICERS** to fill vacancies, the majority of which will occur in **TROPICAL AFRICA** or in **MALAYA.**

### QUALIFICATIONS.

Candidates must be British subject of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose, and throat, venereal diseases, &c.

### SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

### PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

### QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of the officer's salary.

### PASSAGES.

Free first-class passages are provided on first appointment and when proceeding on and returning from leave. Assistance is also given towards family passages.

### TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

### COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

### DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W.1.

## The Infants Hospital,
Vincent-square, Westminster.

Applications are invited for the post of PATHOLOGIST. The appointment will be a full-time one. Salary at the rate of £700 per annum.

An Assistant will subsequently be appointed.

Applications, with copies of not more than three testimonials, should reach the undersigned not later than October 8th.

ALFRED J. SMALL, Secretary.

## The Belgrave Hospital for Children
(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the posts of Two HOUSE PHYSICIANS and One HOUSE SURGEON, which will become vacant on October 31st.

Applicants (Men) must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case. Applications, with copies of testimonials, stating age, to be forwarded on or before Thursday, October 7th.

By order.

THOS. CLAPHAM, Secretary.

## Research into Rheumatic Disease.

Applications are invited by the Empire Rheumatism Council for two Research Fellowships relative to the causation and pathology of Rheumatic Disease; particularly the chronic forms. The Fellowships are tenable for seven years and holders will be expected to give their full time to the work; salary £750 a year (inclusive of retiring allowance). Laboratory facilities in London will be provided by the Council.

Applicants may suggest some particular task of research which they wish to undertake, and should state their qualifications. Address—Secretary, Empire Rheumatism Council, 1, Mitre Court Buildings, Temple, E.C.4. Applications close November 15th.

## All Saints' Hospital
(for Genito-urinary Diseases), Austral-street, West-square, S.E.11.

RESIDENT HOUSE SURGEON (Male) required on November 1st, 1937, for eight months, being five months as Junior House Surgeon, with a salary at £100 per annum, followed by three months as Senior House Surgeon, with salary of £150 per annum.

Applications, giving particulars of age, experience, qualifications, and enclosing copies of three recent testimonials, should reach me not later than October 9th.

D. H. EADE, Secretary.

## Royal National Orthopædic Hospital.

SURGICAL REGISTRARS. The Committee invite applications for the appointments of Three Registrars (Male) as from November 1st. Candidates who have obtained the F.R.C.S. (Eng.) will be preferred. Honorarium £105 per annum. The appointments are for twelve months, renewable for a further twelve months on the recommendation of the Medical Board.

Applications, with copies of three recent testimonials, should reach the Secretary, 234, Great Portland-street, London, W.1, not later than October 12th.

## Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of CLINICAL ASSISTANT in the X Ray Department. Honorarium at the rate of £75 per annum.

Applicants must have a Diploma in Radiology and experience in Diagnosis and Therapy.

The Clinical Assistant will be required to attend for four sessions per week. Applications, together with three testimonials, must reach the undersigned, from whom further particulars can be obtained, on or before Monday, October 4th, 1937.

F. DUDLEY HOBBS, B.A., Secretary.

## West London Hospital,
Hammersmith, W.6. (239 Beds.)

Applications are invited for the post of RESIDENT ASSISTANT SURGEON (Male).

The appointment is an open one. Salary at the rate of £200 per annum (plus £25 for services in connexion with the Venereal Diseases Department), with board, residence, and laundry allowance. Four weeks' holiday a year. The appointment is for one year from November 1st next, terminable by three months' notice on either side, and, subject to annual re-election, may be extended to not more than three years.

Candidates must be duly qualified, registered Medical Practitioners, unmarried, and should hold one of the higher surgical qualifications. As Senior Resident Officer the Resident Assistant Surgeon will be responsible for certain administrative duties.

Applications, with copies of testimonials, should reach me not later than first post on Saturday, October 16th, 1937. Candidates must attend a Meeting of the Medical Council on Friday, October 22nd, 1937, at 4.30 P.M., and, prior to that date, call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board, but, if so notified, must attend a Meeting of the Board of Management at 5 P.M. on Tuesday, 26th October 1937, when the appointment will be made.

H. A. MADGE, Secretary.

## Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Candidates must be registered Medical Practitioners of at least two years' standing and have held at least two previous house appointments. Preference will be given to candidates experienced in Practical Operative Surgery.

The appointment is for one year from the 9th November, 1937. Particulars concerning remuneration and emolument (amounting to approximately £370, with board and residence) together with forms of application and rules can be obtained from the undersigned.

Applications, with copies of testimonials, should be sent on or before October 8th to—

GILBERT G. PANTER, Secretary.

## Paddington Green Children's Hospital
(Incorporated), LONDON, W.2.

HOUSE PHYSICIAN,
HOUSE SURGEON.

These appointments will become vacant on November 1st, 1937. Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, October 15th, 1937. Salary of each at the rate of £150 per annum, with board and residence. Candidates who have held a responsible Resident Hospital appointment are preferred.

The appointments are for a period of six months.

JAMES A. HAMLIN, Secretary.

## Paddington Green Children's Hospital
(Incorporated), LONDON, W.2.

Applications are invited for the appointment of ANÆSTHETIST to the Hospital.

Candidates must be registered under the Medical Act. Applications should be forwarded to the undersigned not later than Friday, October 15th, 1937.

The appointment carries with it an honorarium of £25 per annum per session, and attendance will be required, for the time being, on Tuesday mornings. JAMES A. HAMLIN, Secretary.

## Royal Free Hospital,
Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Practitioners for the post of ANÆSTHETIC REGISTRAR at the above hospital for one year from 1st November, 1937, with option to apply for reappointment for two subsequent years.

The post is a resident one and carries with it a remuneration of £100 per annum.

Candidates should have had experience in all forms of anæsthetics, especially dental work.

They should submit applications stating age and qualifications to the undersigned on or before 9th October, 1937.

RICHARD T. BARTLEY, Secretary.

## Saint Mary's Hospital for Women and
CHILDREN, Plaistow, E.13.

Applications are invited for the posts of RESIDENT SURGICAL OFFICER and RESIDENT HOUSE PHYSICIAN (vacant November 1st), Male or Female. The appointments are for six months and will expire on 30th April. Board and residence are provided. Salaries at the rate of £155 and £150 per annum respectively, including £5 allowance for laundry. Personal canvassing not desired.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than 5th October.

A. ERNEST WILKES, Secretary.

## County Council of Middlesex.

NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment. Candidates must be registered Medical Practitioners who have held resident appointments in a General Hospital. The duties of the appointment will be mainly obstetrical and gynæcological. Salary £250 per annum, with board, lodging, and laundry valued at £100 per annum.

The officer appointed will work under the direction of the Medical Superintendent, and will devote his or her whole time to official duties.

The appointment (which does not carry any superannuation rights, will be subject to medical examination and is terminable by one month's notice on either side) is for a period of six months in the first instance, and may be extended for an additional six months.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 9th October. Relationship to any member or officer of the Council must be disclosed in the application.

Application forms are not provided. Envelopes must be endorsed "Junior Assistant Medical Officer, North Middlesex County Hospital." Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1,
17th September, 1937.

## Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the following appointment:—

HOUSE PHYSICIAN, vacant 1st December. The appointment is for nine months (three months as Out-patient Medical Officer and Anæsthetist and six months as House Physician). Salary at the rate of £70 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by October 8th to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

## Royal Free Hospital,
Gray's Inn-road, London, W.C.1.

Applications are invited from Medical Women who have had recent previous V.D. experience, for the part-time appointment of ASSISTANT MEDICAL OFFICER in the Department for Treatment of Venereal Diseases (female) vacant on the 1st January, 1938. Tenable for twelve months at a minimum salary of £300 per annum.

Intending candidates should submit applications stating age and experience, with copies of three recent testimonials, to the undersigned on or before 16th October, 1937.

RICHARD T. BARTLEY, Secretary.

## Invalid and Crippled Children's
HOSPITAL, Balaam-street, Plaistow, E.13.

HONORARY ANÆSTHETIST.

Applications are invited for the above post which is now vacant.

Attendance is required regularly on Fridays at 1.30 P.M., and additionally for emergencies.

An honorarium of one guinea per session is attached to the post.

Application should be made at once to the Secretary from whom further particulars may be obtained.

HONORARY RADIOLOGIST.

Applications are invited for the above post now vacant.

Attendance of not more than once weekly is required.

Applications should be made at once to the Secretary from whom further particulars can be obtained.

R. I. HOWARD, Secretary.

## Hampstead General and North-West
LONDON HOSPITAL, Haverstock-hill, N.W.

APPOINTMENT OF A HOUSE SURGEON.

Applications are invited from unmarried Medical Men for an appointment of House Surgeon vacant on November 1st next.

The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.

Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should reach the Secretary not later than noon on October 16th next.

## The National Temperance Hospital,
Hampstead-road, N.W.1.

Applications are invited for the following post—HOUSE PHYSICIAN (Male). Salary £100 per annum. Board, residence, and laundry allowance being provided.

The appointment is for a period of six months, as from November 1st. Preference will be given to those who have held resident posts. Candidates must submit applications stating qualifications, age, &c., with copies of not more than three testimonials, by Wednesday, 20th October, addressed to the Secretary.

## East Ham Memorial Hospital,
Shrewsbury-road, E.7.
(100 Beds.)

Applications are invited for the post of PHYSICIAN in charge of the Skin Department. Candidates must hold a University Degree in Medicine and Surgery, and be Fellows or Members of the Royal College of Physicians of London and engaged solely in dermatological practice.

Applications, stating full particulars, together with copies of three testimonials, should reach the undersigned on or before the 21st October.

Candidates will be expected to send copies of their application and testimonials to, and call upon, Members of the Honorary Medical Staff.

REGINALD PERRY, Secretary.

## St. Mary's Hospital, W.2.

OBSTETRIC REGISTRAR.

The Board of Management invite applications for the above post. Candidates for the appointment must be Fellows or Members of the Royal College of Surgeons of England, or Graduates in Surgery of a British University. An honorarium of £100 per annum will be paid, with luncheon and tea provided. Copies of the regulations for the Obstetric Registrar may be obtained on application to the Secretary's Office.

Applications, with copies of not more than three testimonials, should reach the undersigned on or before Tuesday, 12th October.

W. PARKES, House Governor.

## London Hospital Medical College.
(University of London.)

SCHORSTEIN MEMORIAL LECTURE.

The above Lecture will be delivered by Professor ARTHUR ELLIS, O.B.E., M.D., F.R.C.P., Director of the Medical Unit, London Hospital, on THURSDAY, OCTOBER 21st, at 4.15 P.M., in the ANATOMY THEATRE.

Members of the profession are cordially invited to attend.

A. E. CLARK-KENNEDY, M.D., F.R.C.P.

## Tilbury Hospital, Essex (Seamen's
Hospital Society).—HOUSE SURGEON (Male) required immediately until 31st March, 1938. Salary £140 per annum, with board, residence, and laundry. Good opportunity for minor surgery.

Applications, with copies of three testimonials, to be sent to the undersigned.

F. A. LYON, Secretary, Seamen's Hospital, Greenwich, S.E.10.

## The Queen's Hospital for Children,
Hackney-road, E.2. Tel. Bis. 4633.
(204 Beds.)

The Board of Management invite applications for the post of ASSISTANT SURGEON. Candidates must be Fellows of the Royal College of Surgeons. Attendance required one half-day weekly in Out-patient Department. The Assistant Surgeon will also have charge of Beds.

An honorarium to cover travelling expenses will be paid.

Applications, with copies of three recent testimonials, should be sent to the undersigned not later than 14th October, 1937.

24th September, 1937. CHARLES H. BESSELL, Secretary.

## The Queen's Hospital for Children,
Hackney-road, E.2.
(204 Beds.)

The Board of Management invite applications for the post of MEDICAL OFFICER in charge of Whooping-cough Clinic. Candidates must have had experience of children's diseases and preferably hold M.D. or M.R.C.P. Attendance on Friday afternoons. An honorarium of one guinea per session will be paid.

Applications, with copies of not more than three testimonials, should be sent to the undersigned not later than 14th October, 1937. CHARLES H. BESSELL, Secretary.

24th September, 1937.

## LONDON COUNTY COUNCIL

DIVISIONAL MEDICAL OFFICERS (TEMPORARY).

Applications are invited for two positions of Temporary Divisional Medical Officer for duties primarily in connection with the Council's housing work. Candidates must possess a Public Health qualification. Salary £800.

Forms of application (stamped addressed envelope necessary) may be obtained from the Clerk of the Council, The County Hall, Westminster-bridge, S.E.1, and must be returned by 16th October. Canvassing disqualifies.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

(*a*) QUEEN MARY'S HOSPITAL FOR CHILDREN, Carshalton, Surrey. (1284 Beds.)—There are Special Departments for Rheumatic and Orthopædic conditions, for Congenital Malformations, and for Nutritional Diseases.

ASSISTANT MEDICAL OFFICER (Grade I.).—Salary £350–£25–£425, with board, lodging, and washing.

ASSISTANT MEDICAL OFFICER (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

*(*b*) HEATHERWOOD HOSPITAL, Ascot, Berks., for Orthopædic conditions and Surgical Tuberculosis in Children.

ASSISTANT MEDICAL OFFICER (Grade II.).—(Salary, &c., as above.)

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 11th October. Canvassing disqualifies.

## Metropolitan Hospital,
Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following resident appointments:—

(*a*) SENIOR HOUSE PHYSICIAN.
(*b*) SENIOR HOUSE SURGEON.
(*c*) JUNIOR HOUSE PHYSICIAN.
(*d*) JUNIOR HOUSE SURGEON.

Males. Salary £100 per annum.

Appointments in the first place will be for a period of six months dating from 1st November.

Candidates must possess a registered medical and surgical qualification of the United Kingdom.

Form of application may be obtained from the undersigned.

Two members of the present staff are candidates for the two senior appointments.

FRANK JENNINGS, House Governor and Secretary.

## Westminster Hospital,
Broad Sanctuary, S.W.1.

Applications are invited for a RADIOLOGIST in connexion with the two Radium Bombs at the Westminster Hospital Annexe, 66, Fitzjohn's-avenue, Hampstead.

Candidates must be registered Medical Practitioners. Preference will be given to candidates possessing or reading for the D.M.R.E.

The appointment is full time and will be for one year.

Five copies of applications and of three testimonials, should be sent to the undersigned, from whom the amount of the salary and other details can be obtained, at Westminster Hospital, Broad Sanctuary, S.W.1, on or before Friday, 15th October, 1937.

CHARLES M. POWER, Secretary.

## Hampstead General and North-West
LONDON HOSPITAL, Haverstock-hill, N.W.3.

APPOINTMENT OF CASUALTY SURGICAL OFFICER.

Applications are invited from unmarried registered Medical Practitioners for the position of Casualty Surgical Officer, vacant on November 1st next, at the Out-patient Department of the Hospital, Bayham-street, Camden Town.

The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.

Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th next.

## Miller General Hospital,
Greenwich-road, S.E.10.

Applications are invited for the post of ASSISTANT RADIOLOGIST. Candidates must possess a medical qualification and the D.M.R.E. Candidates will be expected to call upon the Members of the Honorary Medical and Surgical Staff, a list of whom can be obtained from the Secretary.

An honorarium of £125 per annum will be allowed.

Applications, stating qualifications and experience, together with copies of not more than three recent testimonials, should be sent to the Chairman of the Hospital on or before October 25th, 1937.

21st September, 1937.

## Connaught Hospital,
Walthamstow, E.17. (118 Beds.)

Applications are invited for the post of CLINICAL ASSISTANT to the Ophthalmic Department, to attend on Wednesdays at 4 P.M. for about two hours. Fees one guinea per session.

Candidates should state age, qualifications, and nationality, and forward copies of not more than three recent testimonials.

Applications should be received by first post on Monday, October 11th. KENELM S. ELLISON, General Secretary.

## The Hostel of St. Luke (Clergy
NURSING HOME),
14, Fitzroy-square, London, W.1.

The Committee of Management invite applications for the post of RESIDENT MEDICAL OFFICER (Male) to the above Hostel.

Candidates must have had previous experience as House Surgeon at a General Hospital. The appointment is for six months, and may be renewable for a further period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry. A fortnight's holiday will be allowed every six months, and the Locum will be paid by the Committee of the Hostel.

Applications, with three recent testimonials, should be addressed to the Secretary of the Hostel at 14, Fitzroy-square, London, W.1, and reach him before October 16th. The successful applicant will be required to take up his duties on November 1st.

## The Hospital for Women,
Soho-square, London, W.1.

The Committee of Management invite applications for the post of SURGEON in charge of Out-patients (Gynæcological). Candidates must be Fellows of one of the Royal Colleges of Surgeons of the United Kingdom, and engaged only in consulting practice.

Six copies of applications and testimonials must reach the undersigned, from whom further particulars may be obtained, by the 16th October, 1937. J. P. HEMING, Secretary.

## Corporation of Barking.

RESIDENT MEDICAL OFFICER.

Applications are invited before the 22nd October, 1937, from qualified Medical Practitioners for the designated appointment of Resident Medical Officer at the Council's UPNEY (MATERNITY) HOSPITAL, comprising 24 Beds.

Previous medical appointments in a maternity hospital and experience in ante-natal work is essential, and preference will be given to candidates holding or reading for membership of the College of Obstetrics and Gynæcology.

Salary £350–£25–£450, plus emoluments, valued at £150 per annum.

Particulars of duties and application forms may be obtained from the undersigned. S. A. JEWERS, Town Clerk.

Town Hall, Barking, Essex.

## Dental Clinic in West End Settlement

is in urgent need of HON. DENTAL SURGEON, L.D.S., for Tuesday afternoons.—Write, DENTAL CLINIC, 31, Alfred-place, W.C.1.

## The Coventry and Warwickshire

HOSPITAL, COVENTRY.

Applications are invited for the post of Non-resident HOUSE GOVERNOR AND SECRETARY to the above Hospital, commencing salary not less than £700, rising by biennial increases of £50 to £1000 per annum. Federated Superannuation Scheme is in force. Previous hospital administrative and organising experience essential. Medical examination may be required.

Applications, stating age, qualifications, and experience, and accompanied by copies of three recent testimonials, should be sent to the Chairman on or before October 16th. Canvassing will be deemed a disqualification.

## King Edward Memorial Hospital,

EALING.
(131 Beds.)

Applications are invited for the post of—
HOUSE SURGEON (Male) to act in the Eye, Gynæcological and Ear, Nose, and Throat Departments. Six months' appointment with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, and accompanied by copies of two recent testimonials, to be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## City of Liverpool.

ASSISTANT RESIDENT MEDICAL OFFICER.
CITY INFECTIOUS DISEASES HOSPITALS.

Applications are invited for the above appointment for a period of one year at a salary of £250 per annum, together with the usual residential allowances. The person appointed will not be allowed to engage in private practice, and will be required to devote whole-time service to the duties of the office.

Candidates will be required to possess a registered Medical and Surgical qualification, and should have a knowledge of Bacteriological methods.

Applications to be made upon forms obtainable from the Medical Officer of Health, Municipal Annexe, Dale-street, Liverpool, to be endorsed "Assistant Resident Medical Officer," and returned to the undersigned so as to be received not later than Wednesday, 13th October, 1937.

W. H. BAINES, Town Clerk.

Municipal Buildings, Dale-street, Liverpool, 2,
September, 1937.

## Northamptonshire County Council.

TOWCESTER RURAL DISTRICT COUNCIL.

SENIOR ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

DISTRICT MEDICAL OFFICER OF HEALTH.

The above Authorities invite applications from registered Medical Practitioners holding a Diploma in Public Health or similar qualification for the appointment of Senior Assistant County Medical Officer of Health and District Medical Officer for the Towcester Rural District.

The inclusive salary will be at the rate of £800 per annum with a travelling allowance on the scale from time to time approved by the County Council. Office accommodation and clerical assistance will be provided. £110 per annum of the above inclusive salary is attributable to the appointment of District Medical Officer.

The appointment of Senior Assistant County Medical Officer of Health is a designated post for purposes of the Local Government and Other Officers' Superannuation Act, 1922, and the salary attaching to that appointment will be subject to a deduction of 5 per cent. per annum for superannuation in accordance with the provisions of that Act.

The officer appointed will act under the County Medical Officer of Health as Assistant School Medical Officer and Assistant Medical Officer for Maternity and Child Welfare and perform such other duties as may be assigned to him by the County Council and County Medical Officer of Health.

The appointment will be subject to the Sanitary Officers (Outside London) Regulations, 1935, and the Local Government Act, 1933, and the officer appointed will be required to perform in the Towcester Rural District all the duties imposed on a District Medical Officer of Health by the relevant Acts, Orders and Regulations.

The officer will be required to devote his whole time to the duties of the office and to reside in a place approved by the Authorities.

The candidate appointed will be required to pass a medical examination.

The appointment will be determinable (subject to the relevant provisions of the Local Government Act, 1933) upon three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than 18th October, 1937.

Canvassing will disqualify.

H. S. MARTIN, Clerk of the County Council.

County Hall, Northampton, 28th September, 1937.

## Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS. (155 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary is at the rate of £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated Hospitals and Out-patient Clinics, and commence on 1st November, 1937. The appointment will be for six months and may be renewed for a further six months.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary not later than 11th October, 1937.

## Royal Buckinghamshire Hospital,

AYLESBURY.
(In course of extension to 120 Beds.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER (Male) for six months, to begin duty as soon as possible.

The candidate appointed will be eligible to apply for the senior post when it becomes vacant.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned immediately. F. G. DAWES, Secretary.

## City of Leicester.

RESIDENT MEDICAL OFFICERS.

The Health Committee of the City of Leicester invite applications for the position of two Resident Medical Officers (Male) at their CITY GENERAL HOSPITAL for a period of six months, renewable, if satisfactory, for a further six months.

One post will become vacant immediately and the other on the 1st January next.

The Hospital is a modern building with 550 Beds and four Resident Medical Officers. The work, apart from the Orthopædic Department, is chiefly medical, but there is, however, some general surgical work.

Salary £300 per annum, together with full residential emoluments.

Further particulars of the appointment may be obtained from the undersigned, and applications (on forms to be supplied), accompanied by copies of three recent testimonials, must be received not later than 11th October, endorsed "R.M.O.," addressed to the undersigned.

E. K. MACDONALD, Medical Officer of Health.

Health Department, Grey Friars, Leicester,
2nd October, 1937.

## City of Manchester.

PUBLIC HEALTH DEPARTMENT.

CRUMPSALL HOSPITAL. (1568 Beds.)

APPOINTMENT OF A CONSULTANT AURIST—(PART-TIME).

The Public Health Committee invite applications for the appointment of Consultant Aurist (part-time) at the Crumpsall Hospital, Manchester 8, to commence duty on 1st December, 1937.

Salary £250 per annum.

Forms of application and copies of a memorandum on the terms and conditions of appointment may be obtained from the Medical Officer of Health, Public Health Department, Sunlight House, Quay-street, Manchester 3, by whom applications must be received not later than 23rd October, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 28th September, 1937.

## City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWELL HALL BABIES' HOSPITAL.
(84 Beds.)
WOMAN RESIDENT MEDICAL OFFICER.

A Woman Resident Medical Officer is required for a period of six months. Duties to commence on 6th December.

Applicants should have had previous experience as a resident house physician.

Salary £250 per annum, with board and laundry.

Applications, giving particulars of qualifications, age, and experience, and accompanied by copies of three recent testimonials, should be sent to the Medical Officer of Health, The Council House, Birmingham, 3, on or before 15th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

## County Borough of Southampton.

EDUCATION COMMITTEE.

Applications are invited for the post of Part-time PSYCHIATRIST. It is proposed that at the outset there shall be three sessions a week at an annual remuneration of £300. Should the work be extended there will be a proportionate increase in remuneration. Travelling and out-of-pocket expenses will be met if the applicant is living at a distance. Candidates must have had suitable training and experience, which should, if possible, include experience in actual child guidance clinic work.

Applications, with references, should be forwarded to the undersigned not later than 13th October, 1937.

F. L. FREEMAN, Secretary.

Education Office, Civic Centre, Southampton.

## The King Edward VII Welsh National
MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male, single) for the posts of ASSISTANT RESIDENT MEDICAL OFFICER (twelve months' appointment in each case) at the following Institutions:—

(i) SULLY HOSPITAL, SULLY, GLAM. (300 Beds for the treatment of Pulmonary Tuberculosis), situate between PENARTH and BARRY.
(ii) NORTH WALES SANATORIUM (247 Beds for Female Pulmonary and Male, Female, and Children non-pulmonary cases), DENBIGH, NORTH WALES.
(iii) GLAN ELY HOSPITAL (196 Beds for Pulmonary and Surgical Tuberculosis in Men, Women, and Children), FAIRWATER, near CARDIFF.

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, October 6th, 1937.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff,
September 20th, 1937.

## Royal Victoria Hospital, Dover.
(60 Beds.)

Applications are invited for the posts of SENIOR and JUNIOR HOUSE SURGEON (Male), at salaries of £150 and £120 per annum respectively. The appointments are for a period of six months, as from the 15th October. Some Surgical experience essential for senior post. Work light and time for study.

Applications, stating age, with particulars of experience, and accompanied by copies of three recent testimonials, should be sent to the Hon. Secretary not later than the 8th October on a form to be obtained from him.

## Lancashire County Council.
PARK HOSPITAL, DAVYHULME, Near MANCHESTER.

APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.

Applications are invited from registered Male Medical Practitioners for the appointment of Senior Resident Medical Officer at the above Hospital. Candidates must be unmarried.

Salary £350 per annum, together with the usual residential allowances.

The appointment will, in the first instance, be for a period of six months, the successful applicant being eligible for reappointment for a further period of six months at the end of that period.

The Hospital comprises 500 Beds for acute cases, is fully equipped in every respect, and is recognised as a complete Training School for Nurses.

The appointment will be terminable by one month's notice on either side.

Forms of application may be obtained from the County Medical Officer of Health, Hospital and Medical Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded so as to be received not later than Saturday, the 9th October, 1937.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 20th September, 1937

AMENDED ADVERTISEMENT.

## City of Nottingham.
APPOINTMENT OF RESIDENT MEDICAL SUPERINTENDENT OF THE CITY HOSPITAL AND MEDICAL OFFICER OF THE CITY INSTITUTION.

The Nottingham City Council invite applications from duly qualified persons for the appointment of Resident Medical Superintendent of the City Hospital and Medical Officer of the City Institution.

Candidates must present evidence of wide clinical experience gained in medical and surgical posts, and the person appointed must be an experienced and skilled administrator. He should be of strong character, capable of directing a large staff, and of assisting the Council in developments of the hospital services.

The salary will be fixed between £1100 and £1400 per annum, according to the qualifications and experience of the selected candidate. In addition an unfurnished house, free of rates, will be provided, this emolument being valued at £100.

The person appointed will not be allowed to engage in any other form of practice, and all fees received by him will be required to be paid to the Council.

The duties will be carried out under the general supervision and control of the Medical Officer of Health. The appointment will be subject to the Superannuation Scheme in force, and the successful candidate will be required to pass a medical examination.

Forms of application and further particulars as to the terms and duties of the office may be obtained from me, the undersigned, and the successful candidate will be deemed to have had notice of such duties and to have accepted such terms.

Applications, endorsed "Resident Medical Superintendent," are to be delivered at my office not later than the 11th October.

Canvassing, whether directly or indirectly, is prohibited, and will be deemed a disqualification.

Dated this 17th day of September, 1937.

Guildhall, Nottingham. J. E. RICHARDS, Town Clerk.

## Borough of Ilford.
APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited from legally qualified Medical Practitioners, holding the Diploma of Public Health or similar qualification, for the above appointment, at a commencing salary of £750 per annum, rising by annual increments of £25 to a maximum of £900 per annum.

Applicants must not exceed the age of forty-five years, but an applicant who is an ex-Service man may deduct from his age his period of service during the Great War for the purpose of bringing himself within the above age limit.

The appointment will be subject to confirmation by the Minister of Health, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staff Regulations of the Council. The selected applicant will be required to pass a medical examination by and to the satisfaction of the Medical Officer of Health and to enter into a service agreement. The appointment will also be subject to three months' notice on either side.

The person appointed will be required to reside within the Borough of Ilford.

Applications on the prescribed form which (together with list of duties) is obtainable from my office, must be received by me at the Town Hall, Ilford, not later than the 8th day of October, 1937.

Canvassing, directly or indirectly, will be a disqualification.

CHARLES N. ROBERTS, Town Clerk.

Town Hall, Ilford, 20th September, 1937.

## City Mental Hospital, Humberstone,
LEICESTER.

THIRD ASSISTANT RESIDENT MEDICAL OFFICER (Male, single), under thirty. Residential General Hospital experience is desirable. Salary £350, rising by £50 per annum to £450 per annum, together with board, lodging, washing, and attendance, valued for purposes of superannuation at £150 per annum. An additional £50 per annum will be paid for possession of a D.P.M.

The appointment is subject to the provision of the Asylums Officers' Superannuation Act, 1909.

There is a good laboratory and two active Psychiatric Clinics, one attached to the Leicester Royal Infirmary.

Applications, giving particulars of experience, &c., together with names of three references, one of which should be non-professional, and marked "A.M.O.," to be sent to the Medical Superintendent.

## County Council of Durham.
EDUCATION DEPARTMENT.

ASSISTANT SCHOOL MEDICAL OFFICERS.

The County Education Committee invite applications for the posts of Two ASSISTANT SCHOOL MEDICAL OFFICERS, to act under the School Medical Officer in connexion with the inspection of school-children, and such other duties as may be required by the Education Committee. Commencing salary £500 per annum (provided the candidates have had not less than three years' post-graduate experience), rising by annual increments of £25 to £700 per annum, together with travelling expenses according to the County Scale. The successful candidates will be required to devote their whole time to the duties of the office and reside in or near the districts to which they will be attached at places to be approved by the Education Committee. The appointments will be subject to three calendar months' notice on either side, expiring on the last day of any calendar month. Applicants must have had experience in the work of school medical inspection, and preference will be given to candidates who:

(a) Have had experience in the work of School Clinics;
(b) Have been accustomed to make special reports on Mentally Defective, Physically Defective, Epileptic and other Defective children.

The possession of a Diploma in Public Health is desirable, though not essential.

Canvassing, directly or indirectly, is prohibited and will disqualify.

A deduction of five per cent. will be made from the salary in accordance with the Local Government and Other Officers' Superannuation Act, 1922, which has been adopted by the Council, and the appointment will be subject to passing the County Council's medical examination in connexion therewith.

Forms of application, to be returned not later than Saturday, the 9th October, 1937, may be obtained from the Director of Education, Shire Hall, Durham, on receipt of stamped addressed foolscap envelope. THOS. B. TILLEY, Director of Education.

Shire Hall, Durham, 16th September, 1937 (142).

## Royal Asylum of Montrose.

Applications are invited for the post of PHYSICIAN-SUPERINTENDENT to the Royal Asylum of Montrose. Salary £1200 per annum, rising by annual increments of £50 to £1400, with free house and garden, local rates, electricity, and the services of a chauffeur-gardener, for whom a house will be provided.

Superannuation allowance under the Lunacy Scotland Act, 1866.

Applications, stating age, qualifications, and previous experience, along with thirty-five copies of testimonials, to be submitted on or before 11th October, 1937, to C. K. ALEXANDER, Clerk and Treasurer, Royal Asylum, Montrose, Scotland.

## Victoria University of Manchester.

SIR HENRY ROYCE RESEARCH FELLOWSHIP.

Applications are invited for the Sir Henry Royce Research Fellowship founded under the Will of the late Sir Frederick Henry Royce, Bart. The Fellowship, for research on *either* "The Common Cold, its nature, prevention, and cure," *or* "Influenza, its nature, prevention, and cure," is of the value of £500 per annum, and will be tenable in the first instance for a period of three years.

Applicants must be graduates of a British University, and must be either registered Medical Practitioners or otherwise qualified to undertake research in the subjects specified.

Further particulars and forms of application may be obtained from the Registrar, The University, Manchester, 13. All applications to be made on the prescribed form, must be sent to reach him not later than October 31st.

## Stirling District Mental Hospital,

LARBERT.

JUNIOR ASSISTANT MEDICAL OFFICER required (Male). Salary commencing at £300 per annum, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

## University of Birmingham.

FACULTY OF MEDICINE.

LECTURER IN BACTERIOLOGY.

Applications are invited for the post of Lecturer in Bacteriology and Assistant Bacteriologist in the Public Health Laboratory at a stipend of £400 per annum. Duties to begin as soon as possible. Previous teaching experience *not* essential.

The appointment is open to men and women who are Graduates in Medicine or Science of a British University.

Three copies of applications, with three copies of not more than three testimonials, should be sent to the undersigned, from whom further particulars may be obtained.

The last day for receiving applications is 9th October.

C. G. BURTON, Secretary.

The University, Edmund-street, Birmingham, 3.
September, 1937.

## Manchester and Salford Hospital for

SKIN DISEASES.
(54 Beds—16,500 Out-patients.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon. Must be registered. The appointment is for six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned, Quay-street, Manchester, on or before Oct. 7th.

JOHN NALL, Secretary.

## Essex County Council.

JUNIOR ASSISTANT MEDICAL OFFICER.

The County Council of the Administrative County of Essex invite applications for the appointment of Junior Assistant Medical Officer at the BLACK NOTLEY SANATORIUM, near BRAINTREE.

This Sanatorium has 300 Beds for the treatment of pulmonary and non-pulmonary tuberculosis in men, women, and children, and has all modern facilities for diagnosis and treatment, together with a staff of visiting Specialists.

The appointment is for a period of one year, and the salary will be at the rate of £250 per annum, together with board, lodging, and laundry. The successful applicant will be required to pass a medical examination, and will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications in candidate's own handwriting, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials which will not be returned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Monday, 11th October, 1937. E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 21st September, 1937.

## THE ARMY DENTAL CORPS

Applications are invited from Dental Surgeons for appointment to a limited number of Commissions in The Army Dental Corps.

Candidates, who should not be over twenty-eight years of age, will for the present be selected for commissions without competitive examination, and will be required to present themselves in London for interview and physical examination towards the end of October, 1937. They must hold the degree or diploma of a British University or College of Surgeons, and be registered under the Dentists' Acts or Medical Acts.

Successful candidates will, in the first instance, be given short service commissions for six years, at the end of which period they will retire with a gratuity of £1000, unless they have been granted permanent commissions. Permanent commissions will be given to officers selected from among those who wish to make the Army their permanent career.

Particulars, including regulations for admission, pay, and allowances, and forms of application, may be obtained on request either in writing or in person to the Director, Army Dental Service, The War Office, London, S.W.1.

## City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

RADIOLOGIST.

Applications are invited for the above whole-time appointment from fully qualified registered Medical Practitioners who have had good experience in diagnostic radiology and who possess a recognised Diploma in Radiology.

Salary will be £800, rising by annual increments of £50, to a maximum of £1000 per annum.

The successful candidate will be required to pass an approved medical examination, and to contribute to the Superannuation Scheme established under the Local Government and Other Officers' Superannuation Act, 1922, as amended by Section 82 of the Birmingham Corporation Acts, 1935 (Annuities for Widows), and, if under thirty years of age, to join the Birmingham Municipal Officers' Widows' and Orphans' Pension Scheme. The appointment will be terminable by three months' notice on either side.

Further particulars of the appointment may be obtained from the Medical Superintendent of the Hospital.

Applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, and endorsed "Radiologist," should be sent to the Medical Superintendent, Selly Oak Hospital, Birmingham, not later than Wednesday, 13th October, 1937. F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, September, 1937.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE SURGEON to the Special Departments with care of beds for ear, nose, and throat, eye, gynæcological, and maternity cases. The appointment will be for six months from November 1st, 1937, but is terminable at an earlier date by one month's written notice on either side. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male) who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, October 6th, 1937.

J. A. BEARDSALL, Secretary-Superintendent.

## Royal Manchester Children's Hospital,

PENDLEBURY.

Applications are invited for the post of Non-resident ASSISTANT MEDICAL OFFICER at the Out-patients' Department, Gartside-street, Manchester. Salary at the rate of £150 per annum, and the appointment is for a period of six months as from 8th November, 1937. Candidates must be on the Medical Register.

Particulars of duties can be obtained from the Secretary. The hours of duty are from 9 A.M. till 1 P.M. or until the work of the Dispensary is finished. Patients' attendances number about 100,000 per annum.

Applications, stating age, and accompanied by copies of not more than three testimonials, to be sent to the undersigned not later than Thursday, 7th October, 1937.

Canvassing, directly or indirectly, may disqualify.

By order.

H. HEARDMAN, Secretary.

## Lancashire County Council.

PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE, ASHTON-UNDER-LYNE, Near MANCHESTER.

APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Senior Resident Medical Officer at the above Hospital and Institution, comprising 300 and 525 beds respectively.

The Hospital is recognised as a complete Training School for Nurses.

Candidates must be unmarried.

Salary at the rate of £250 per annum, together with the usual residential emoluments.

The appointment will, in the first instance, be for a period of six months, the successful applicant being eligible for reappointment for a further period of six months at the end of that period.

Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Saturday, the 9th October, 1937.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 21st September, 1937.

## The Hospital for Sick Children,

NEWCASTLE-UPON-TYNE.

Applications are invited for the posts of—
HOUSE PHYSICIAN
and
HOUSE SURGEON
(Male or Female), to commence duties as soon as possible until 31st January, 1938. Salary at the rate of £100 per annum, together with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of testimonials, to be sent to the Secretary, Mr. NEIL BRODIE, 18, City-road, Newcastle-upon-Tyne, 1.

## Staffordshire Mental Hospital,
STAFFORD.

RESIDENT ASSISTANT MEDICAL OFFICER (Male, unmarried) required. Salary £530 per annum, rising by two annual increments of £25 to £580 per annum (£50 per annum additional if or when in possession of Diploma of Psychological Medicine), subject to deduction of £130 per annum from salary for board, lodging, washing, and attendance. Appointment subject to provisions of Asylums Officers' Superannuation Act, 1909.

Every opportunity provided for study and research in well-equipped laboratory. Preference given to candidate who has held post of House Surgeon or House Physician in general hospital.

Applications, stating age, qualifications, &c., and enclosing copies of testimonials, to be addressed to the Medical Superintendent.

## District Infirmary, Ashton-under-Lyne.
(General Hospital. 200 Beds.)

CASUALTY HOUSE SURGEON required about October 19th. Applicants must have had previous experience. Salary at the rate of £180, with the usual residential emoluments.

Applications to be sent to FRANK OLIVER, General Superintendent and Secretary.

24th September, 1937.

## The Glasgow Eye Infirmary.

The Directors invite applications from registered Medical Practitioners for the post of CLINICAL ASSISTANT. Honorarium at the rate of £30 per annum.

Applications, with copies of testimonials, should be lodged with the undersigned by 8th October, 1937.

T. C. CALDWELL, Secretary.

140, West George-street, Glasgow, C.2,
24th September, 1937.

## Rhondda Urban District Council.

WOMAN ASSISTANT MEDICAL OFFICER.

Applications are invited from unmarried or widowed Women Medical Practitioners, not exceeding forty-five years of age, for appointment as Assistant Medical Officer under the direction and supervision of the Council's Medical Officer of Health and School Medical Officer at a salary of £500, rising by annual increments of £25 to £700 a year, the first annual increment being payable on the 1st April following the completion of six calendar months' service under the Council; travelling expenses necessarily incurred in the performance of the duties will also be allowed. Candidates must have had not less than three years' professional experience subsequent to registration, and must be experienced in the diseases of children; the possession of a Diploma in Public Health is also considered desirable. The appointment, which is designated under the Local Government and Other Officers' Superannuation Act, 1922, will be subject to the passing of a medical examination, and will be terminable by two calendar months' notice on either side. The Officer appointed will be required to reside within the Rhondda Urban District, and will not be allowed to engage in private practice.

Applications are to be made on forms obtainable from the Medical Officer of Health, Tydfil House, Llewelyn-street, Pentre, Rhondda, by whom they must be received, endorsed "Assistant Medical Officer," and accompanied by copies of three recent testimonials, not later than the first post on Saturday, the 19th October, 1937.

D. J. JONES, Clerk of the Council.

The Council Offices, Pentre, Rhondda, 25th September, 1937.

## Devon County Council.
(Medical Department.)

HAWKMOOR SANATORIUM, near BOVEY TRACEY.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male or Female) for the above appointment. Candidates must be unmarried, and have held resident hospital appointments. Salary will be at the rate of £250 per annum, with board, residence, and laundry.

The appointment ' be made in the first instance for a period of six months, ..d renewable for a further six months.

Forms of application may be obtained from the undersigned, and must be returned, accompanied with copies of not more than three recent testimonials, not later than the first post on Friday, October 22nd, 1937.

L. MEREDITH DAVIES,
County Medical Officer,
4, Barnfield-crescent,
Exeter.

## Lincoln County Hospital.

Wanted, JUNIOR HOUSE SURGEON, Male, unmarried. Salary at the rate of £150 per annum, rising to £200 per annum at the conclusion of six months' approved service. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testimonials, are to be sent to the undersigned, from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

Lincoln, 22nd September, 1937.

## Knowle Mental Hospital, Fareham,
HANTS.

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER.

Applicants should be Male and single, and under thirty-five.

The salary is £350, rising by yearly increments of £25 to £450, with board, lodging, washing, and attendance, valued at £150.

The possession of a Diploma in Psychological Medicine entitles the holder to an extra £50 per annum.

The salary is subject to deduction under the Asylums Officers' Superannuation Act, 1909.

Applications, stating age and all particulars, accompanied by copies of three recent testimonials, should be sent to the Medical Superintendent not later than 16th October, 1937.

## Christie Hospital and Holt Radium
INSTITUTE, WITHINGTON, MANCHESTER, 20.

HONORARY CONSULTING DERMATOLOGIST.

The Board of Management invite applications for the above post. Particulars of the appointment will be sent by the undersigned on request.

Applications to be forwarded not later than October 16th, 1937. PERCY N. GLASS, Superintendent.

## Manchester Royal Infirmary.

The Board of Management of the Manchester Royal Infirmary invite applications for the post of RESIDENT MEDICAL OFFICER of the PRIVATE PATIENTS' HOME of 100 Beds to be opened shortly.

Applicants must be registered and hold a Medical and Surgical qualification, and must have had at least one year's resident experience in a general hospital.

The appointment is for twelve months, renewable for a further period.

Salary £250 per annum, with board, residence, and laundry allowance.

Full information is obtainable from the undersigned, to whom applicants must send twelve copies of their application and testimonials on or before 9 A.M. on Thursday, October 14th, 1937.

By order.
W. R. TINDALE, General Superintendent and Secretary.

## The Royal Portsmouth Hospital,
PORTSMOUTH.
(Six Resident Medical Officers.)

Applications are invited for the post of HOUSE SURGEON (Male), qualified. Salary at the rate of £130 per annum, with board, &c. To commence duty on the 1st November, 1937. Six months' appointment. Eligible on completion of term for extension or other resident posts.

Applications, stating age, nationality, &c., with copies of three recent testimonials, to be sent to the undersigned not later than Friday, 15th October, 1937, from whom all particulars can be obtained. B. WAGSTAFF, Secretary.

## Caernarvonshire and Anglesey
INFIRMARY, BANGOR.
(General Hospital.)

Wanted, JUNIOR HOUSE SURGEON (Male). Salary £120 per annum, with residence, board, and laundry. Duties to commence 1st November.

Applications, stating age, nationality, and experience, with copies of two or three recent testimonials, to reach the Secretary by not later than 16th October, 1937.

## Resident Medical Officer will be
required at HAILEYBURY COLLEGE from September, 1938. Salary £800, with house. Particulars and forms for application can be obtained from The Master, Haileybury College, Hertford. Envelopes to be marked "M.O."

## Clayton Hospital, Wakefield.

Applications are invited for the post of HOUSE SURGEON for six months (renewable) from October 22nd, 1937. Candidates should be of British nationality, Male, and single. Salary at the rate of £200 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned immediately.

T. F. W. MACKEOWN, Superintendent and Secretary.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of SECOND HOUSE PHYSICIAN (Male), vacant 22nd October. Salary at the rate of £150 per annum, plus residence, board, and laundry.

The post is recognised by the University of London for the M.D. Branch 1 (Medicine) Examination.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

27th September, 1937. R. J. CARLESS, House Governor.

## Chelmsford and Essex Hospital.

(155 Beds.)

One HOUSE SURGEON (Female) required for a period of six months. Salary £150 per annum, with board, apartments, and laundry. Resident Staff consists of two Resident Medical Officers.

Applications, stating age, qualifications, together with copies of three recent testimonials, should be sent to the undersigned not later than October 5th. R. G. MORRISH, Secretary.

## Bedford County Hospital.

Wanted FIRST HOUSE SURGEON, to take over his duties on October 11th, for a period of not less than six months.

Salary at the rate of £155 per annum.

He must be fully qualified, male, unmarried. Board, lodging, and laundry.

Applications, stating age, nationality, qualifications, together with three recent testimonials, to be sent to the Hon. Secretary, Hon. Medical Staff Committee.

## Royal Eastern Counties' Institution

FOR THE MENTALLY DEFECTIVE.

MEDICAL SUPERINTENDENT required, by about the 15th December, for a Branch of the Royal Institution situated at BRIDGE HOME, WITHAM, ESSEX. 340 male beds.

The Superintendent appointed will be in administrative and medical charge of the Home at Witham, subject to the authority of the Medical Superintendent of the whole group of Institutions and Branches which form the Royal Institution.

The appointment is a whole-time one. Previous residential experience in a Mental Deficiency Institution or in a Mental Hospital is essential. Age not over forty. Applications to be received not later than the 20th October. Salary £700 a year, rising by annual increments of £25 to a present maximum of £900, with unfurnished house (free of rates), gas, electricity, laundry, and garden produce.

Apply, giving age, nationality, experience, and copies of references, to Medical Superintendent, Royal Institution, Colchester.

## Chorley and District Hospital,

CHORLEY, LANCASHIRE.

(Voluntary General Hospital with 70 Beds.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon to commence duties on the 23rd October next or as soon thereafter as possible.

The appointment will be for six months but the appointed candidate will be eligible for reappointment.

The salary is £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than Saturday, 9th October, 1937. C. H. SPENCE, Secretary-Superintendent.

## Cefn Coed Hospital, Swansea.

(SWANSEA COUNTY BOROUGH MENTAL HOSPITAL.)

Applications are invited for the post of ASSISTANT MEDICAL OFFICER.

Candidates must be under thirty years of age. Commencing salary £400, rising by annual increments of £25 to £500, with emoluments, consisting of board, lodging, laundry, and attendance, valued at £100 per annum.

The successful candidate will be expected to obtain the diploma in Psychological Medicine, upon obtaining which he will receive an addition of £50 per annum. Preference will be given to those candidates who have experience as House Surgeon or House Physician in a General Hospital.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and to certain conditions, a copy of which may be obtained from The Medical Superintendent, to whom applications, giving full particulars, with copies of testimonials, should be sent as soon as possible.

H. L. LANG-COATH, Clerk to the Visiting Committee.

## Medical Officer required for service

with large Company operating in the Near East, possessing well organised Medical Service with Staff of British doctors, including Specialists, Nursing Staff, Hospitals, &c.

Applicants must be of British parentage and have British qualifications, and must have had five years' actual practice. Administrative experience an advantage; age not more than thirty. Commencing salary £800 per annum progressive with Provident Fund benefits. Three-yearly Agreements. Free furnished quarters; free passages out and home.—Apply with copies of testimonials (not returnable) to Box No. 311, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

## The Royal Army Medical Corps

ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

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Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

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and for private practitioners, for British edited MEDICAL JOURNAL in Asia, est. 15 years. Authors supplied 100 reprints free. Permission republish other journals.—Manager, 86A, Lloyd's-road, Madras, India.

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## Medical Practice wanted, near

Cambridge. Country preferred. Details in confidence to the National Medical Agency, Brown's Chambers, 63, Great George-street, Leeds, 1.

## Wanted, mixed Practice, large Panel

preferred. London or suburbs.—Address, No. 295, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

## Shriber—Alexander—Fergusson.

Edward Shriber, Surgeon, married Eulaila Alexander. Lived India. Had daughter Bertha Maude born Calcutta about 1853 who married Dr. Reginald Archfield Fergusson. Their Heirs or anyone knowing present whereabouts please write James Mackenzie, Solicitor, Royal Bank Buildings, Leith, Edinburgh, 6.

## London.—Cora Hotel,

Upper Woburn-place, near B.M.A. Headquarters Accommodates 235 visitors. Modern comforts.

Excellent table. A.A. and R.A.C. recommended.

Room, bath, and table d'hôte breakfast, 8s. 6d.

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accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

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repute in large secluded grounds, near London, for Sale. Growing residential locality; no opposition; sound support of local doctors; well staffed for seven patients; suit two Nurses or a Doctor. Early possession as owner is retiring.—HAMPTON & SONS, LTD., 39, Heath-street, Hampstead, N.W.3.

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House suitable for Medical. Half-minute Gloucester-road Tube.—WARREN & WARREN, 31, Bedford-row, W.C.1.

Reading.—(On best residential outskirts: London in 40 mins.; quiet position facing South). FREEHOLD RESIDENCE in private avenue—no chance of being spoilt—3 reception rooms, billiard room, good domestic offices with maids' sitting room, 6 bedrooms, 2 dressing rooms, 2 bathrooms, maids' rooms and a box room; lovely walled in garden with tennis lawn; all main services; good garage, &c. To be Sold or Let.—Apply, Messrs. NICHOLAS, 1, Station-road, Reading.

Nottingham.—Good opportunity for Lady Doctor or a Specialist, in best residential suburb, over 20,000 inhabitants, main road, excellent modernised residence, 3 reception, 5 bed and dressing rooms, large garage, and ornamental garden, £1750.—Particulars, FRED HARRINGTON, Estate Agent, West Bridgford. Tele. 84934 Nottingham.

Wanted, Medical Support for proposed Rest Home, adjoining Hadley Woods about 10 miles from London for Nervous Cases, men only. For further particulars—Address, No. 312, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Alvis.—Firefly 12-h.p. 4-Door Black Saloon only 22,000 miles. One owner, Wireless, new Tyres, Battery, and other accessories. Perfect condition. £185 or nearest offer.—Telephone: WELbeck 3641.

For Sale.—Electro-Cardiograph, Cossor-Robertson, complete, for use on A.C. mains, in perfect order, as new, £70. Owner abroad.—On view at ALLEN & HANBURY LTD., 48, Wigmore-street, London, W.1.

Endoscopic and Macroscopic Drawings, surgical and pathological, in colour or black and white.—F. F. BIEBER, 45, Broadwalk-court, The Mall, W.8. 'Phone: Bayswater 0579.

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Names and addresses of members practising in any district can be obtained from The Secretary, C.S.M.M.G., Tavistock House (North), Tavistock Square, London, W.C.1. Phone: Euston 1676-7-8.

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3. NORTH-EAST COAST.—Old-estab. PRACTICE producing about £900 p.a., but stated to be capable of considerable increase. Choice of suitable houses. Partnership introduction will be given. Vendor retiring.
4. HOME COUNTIES.—PROSPEROUS TOWN WITHIN 20 MILES OF LONDON.—PARTNERSHIP.—A One-third Share is for disposal in old-estab. non-dispensing Practice. Gross cash receipts for this year at the rate of £2000 p.a. Panel of 1550 (increasing). Fees 3s. 6d. to 21s. Ample scope. Choice of houses. Premium for Share £1250, part by instalments. Ingoing partner must be experienced and accustomed to better-class work.
5. LONDON, SOUTH-WEST.—Well-estab. better working-class PRACTICE averaging about £3500 p.a., including panel of over 2300 patients. Very good house on rental in excellent repair with 5 bedrooms, &c., and very good professional accommodation.
6. SOUTH-WEST LONDON.—PRACTICE has been estab. over 40 years and has been held by vendor (who wishes to return abroad) about ten years. Gross receipts for last 12 months over £900, including panel of about 350, which could be increased. Suitable house with 5 bedrooms on rental. Moderate premium for quick sale.
7. KENT COAST.—Favourite seaside resort. PRACTICE established 40 years and now for disposal as Vendor is going abroad. Gross cash receipts average £1921 p.a., including about £550 from panel and £235 from Clubs. Good hospital. Vendor on staff. Scope for increase and for some surgery. Good freehold house available with ample accommodation. Freehold £1200. Premium 2 years' purchase.
8. KENT.—Large town. PRACTICE (with scope for increase) established by Vendor 12 years ago now for disposal owing to ill health. Gross cash receipts are stated to be about £700 p.a., including a panel of about 800 patients. Fees, advice, and medicine 2s. 6d. Visits from 3s. 6d. to 5s. Midwifery from 3 guineas. House situated in a pleasant and secluded garden contains 2 large public rooms with commodious hall and staircase, 4 large bedrooms, &c., surgery and dispensary. Freehold for sale or might be rented. Prem. for house and practice £2000.
9. WEST MIDLANDS.—Pleasant residential town. PRACTICE producing about £1600 p.a., including a selected panel of about 560 patients. Mostly better-class and non-dispensing. Consultations 3s. 6d. to 10s. 6d. Visits 5s. to 1 guinea. Freehold house for disposal, contains 3 reception, 3 large and 3 smaller bedrooms with separate servant's quarters. Excellent consulting-room. Garage for 2 cars.
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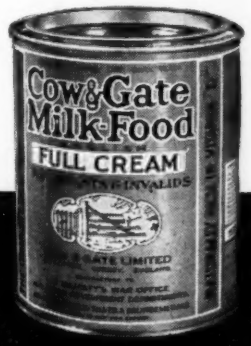


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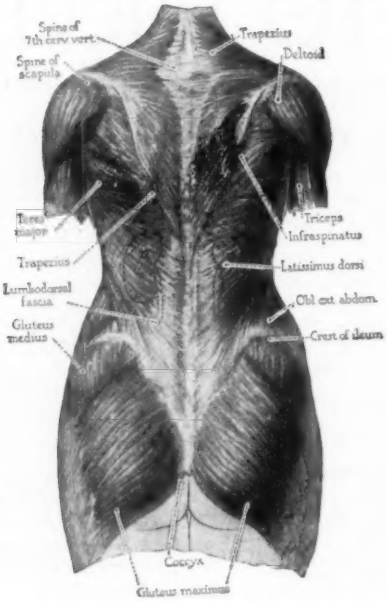


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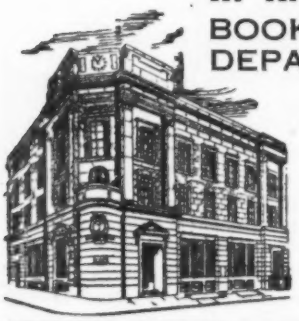

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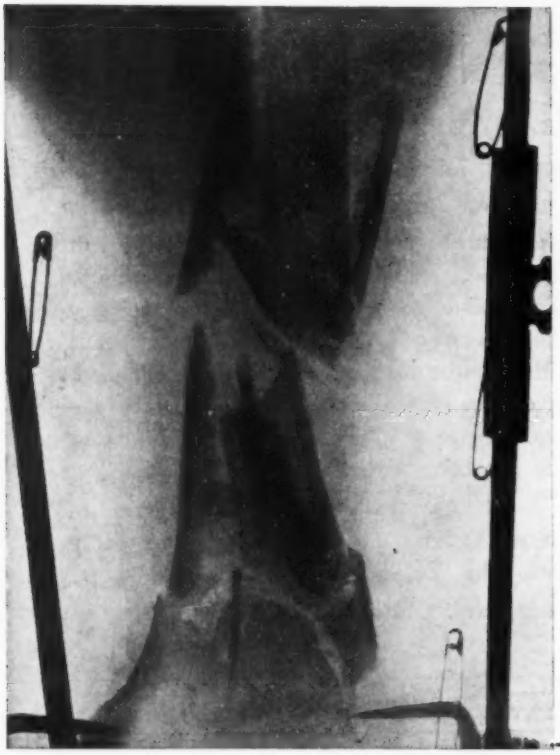

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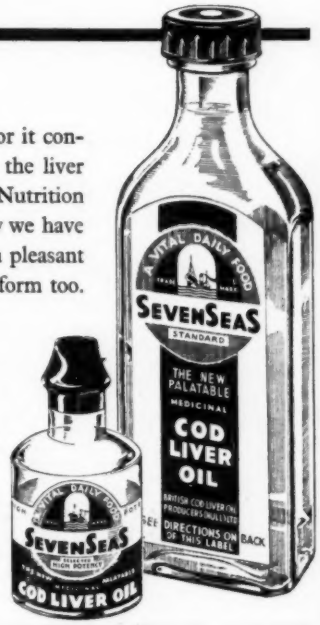


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*Bottles of* 100 *and* 500 *tablets.*
*Plain or Enterosol Coated.*

G. W. CARNRICK CO., 20 Mt. Pleasant Ave., Newark, N. J., U. S. A.

•

*Distributors*

BROOKS & WARBURTON, Ltd.

240 Vauxhall Bridge Road London, S. W. 1

# When the Kidneys must not be irritated . . .

BRAND'S Essence is absorbed and assimilated without producing any protein by-products which must be disposed of by the kidneys. It is a desirable stimulant even when the kidneys are organically weak or over-exercised through fever or conditions of similar effect. In no digestive circumstance is the protein content of Brand's precipitated in solid form, and its protein-sparing proportions are considerable.

## BRAND'S CHICKEN OR BEEF ESSENCE

*is never contra-indicated*

BRAND & CO. LTD., SOUTH LAMBETH ROAD, LONDON, S.W.8

# Bowel Treatment of Surgical Cases

THE use of purgative agents before operation is now disfavoured by many surgeons who prefer the patient to have a short preparatory course of lubrication therapy. " Cristolax " is advocated for its lubricant and gentle laxative effect as well as its digestive and nutritive value. Clinical experience has definitely proved its worth.

For the regulation of the bowels after operation, " Cristolax " offers many advantages. Its bland, soothing yet efficient action diminishes peristalsis and does not irritate the line of suture nor give rise to meteorism as many cathartics are liable to do.

" Cristolax " is medicinal paraffin of the highest purity and correct viscosity, so skilfully combined with " Wander " Dry Malt Extract that all unpleasant oiliness is entirely eliminated. Its routine use during convalescence restores normal bowel action.

'CRISTOLAX'
BRAND
MALT EXTRACT WITH PARAFFIN
*Lubricant-Laxative-Nutrient-Digestive*

*A liberal supply for clinical trial sent free on request.*

A. WANDER LTD., 184 Queen's Gate, London, S.W.7.

Laboratories and Works: King's Langley, Herts.

*Design from Greek Vase.*

*A Girl dancing with Castanets in the presence of a Youth who is seated playing the Flute.*

M.262

# Convalescence

In convalescence a tonic is required that will co-operate with, and augment, the natural recuperative powers of the body, rather than one which will have only an immediate stimulating effect. In the latter case there is always the danger of disappointment, due to an artificial improvement that the natural powers are unable to stabilise.

Medical evidence extending over many years has established the value of Sanatogen in promoting convalescence. In "The Elements of Pharmacy, Materia Medica and Therapeutics", Sir William Whitla writes:—

> "... *The interesting and valuable researches conducted by Tunnicliffe and Beddoes upon metabolism, in which Sanatogen was experimented with, establish the fact that its organic phosphorus is almost entirely assimilated when the food is administered in the amount necessary for the needs of the body. When given in addition to other food, the amount of nitrogen and phosphorus retained in the organism is increased; the tissue metabolism is more complete, the constituents of the ordinary food being more thoroughly utilised; appetite is increased and the body weight augmented.*"

Similarly gratifying observations are constantly being notified, and, as Sanatogen is entirely free from fats, sugars and carbohydrates, it can safely be prescribed in all types of cases. It is rapidly and easily digested and assimilated, even in cases exhibiting severe gastric inflammation, and for this reason it is a valuable addition to enemata. It can be added to any non-acid beverage or food, and, consequently, monotony in its administration can always be avoided.

# SANATOGEN

**A CHEMICAL COMBINATION OF 95% MILK CASEIN AND 5% SODIUM GLYCEROPHOSPHATE**

*Clinical samples and literature available on request to*

**GENATOSAN LTD.,**
**LOUGHBOROUGH,**
**LEICESTERSHIRE.**

**DOSAGE:** For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants, ½ teaspoonful added to each bottle feed.

*Sold by all chemists*
*price 2/3 to 19/9*

# "ALOCOL"

## Colloidal Hydroxide of Aluminium

## Improved Antacid Therapy

SODIUM BICARBONATE, bismuth salts and other time-honoured antacids having each proved to possess individual disadvantages, an agent such as "Alocol" which combines the best therapeutic features of these with intrinsic merits of its own, must be of interest to the physician.

"Alocol" is a powerful antacid agent which forms with the stomach contents a colloidal jelly with the power of adsorbing free hydrochloric acid, thus fixing it and eliminating it from the system. It has a remarkably soothing effect on the inflamed or irritated gastric mucosa and is, therefore, rapidly effective in relieving pain. Being non-absorbable "Alocol" is free from any risk of "alkalosis."

"Alocol" can be prescribed with confidence in all cases where alkaline therapy is indicated. Issued in tablet and powder form.

*Complete chemical history of "Alocol," with convincing clinical reports and supply for trial sent free to physicians on request.*

A. WANDER, LTD., Manufacturing Chemists,
184, Queen's Gate, London, S.W.7.
*Works: KING'S LANGLEY, HERTFORDSHIRE.*

M257

# ALASIL

## Better Salicylate Therapy

WHATEVER be the season of the year, there is a wide sphere of utility for "Alasil," the improved form of salicylate medication. "Alasil" is a very definite advance on ordinary compounds of salicylic or acetyl-salicylic acid both in therapeutic efficiency and in freedom from unpleasant gastro-intestinal sequelæ. This high tolerability is due to the fact that "Alasil" is composed of calcium acetyl-salicylate—the least irritating of the salicylate compounds—and "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid.

A careful series of experimental tests has recently shown that "Alasil" is more completely absorbed than ordinary salicylate compounds, and that it is practically free from the risk of liberating free salicylic acid in the stomach. Wide clinical experience anticipated these findings by demonstrating that the use of "Alasil" can be pushed or prolonged to a much greater extent than ordinary salicylate compounds, and that it can be given with equal safety to children, adults, the aged, and patients with finely-balanced digestive capacities.

*A supply for clinical trial with full descriptive literature sent free on request.*

A. WANDER, LTD.,
Manufacturing Chemists,
184, Queen's Gate, London, S.W.7.
*Laboratories and Works:* King's Langley, Herts.

M269

# "The Vitamin $B_1$ activity is assured

## by biological assay of *every day's output*"

So far as is known, there is only one food product for which such a claim, involving no fewer than 250 biological assays for Vitamin $B_1$ per annum, is or can be made.

Unnecessary? Consider this:

*"Unselected yeasts may vary tenfold in their vitamin B content"*—(*J. Nutrition*, 3, 257)

*"Unselected wheat germs may vary fivefold in their vitamin $B_1$ content"*—(*J. Hygiene*, 37, 303)

Statements as to the Vitamin $B_1$ potency of foods, etc., couched in general terms, are unacceptable for therapeutic purposes unless supported by (1) an assay of each lot manufactured (2) a guarantee that the potency will not diminish with the passage of time.

How then can the physician make sure that his patient receives, in a natural form, any desired amount of vitamin B? Only by prescribing Bemax.

# BEMAX

**A unique natural source of accessory nutritional factors.**

**Vitamin $B_1$**—400 International Units per ounce.

**Vitamin $B_2$**—Flavin present.

**Vitamin $B_6$**—(Anti - dermatitis) One of the richest sources.

**Vitamin A**—280 International Units (as Carotene).

**Vitamin E**—the richest natural source;

**Phosphorus**—330 mg. per ounce;

**Magnesium**—99 mg. per ounce;

**Iron**—3 mg. per ounce, and Copper =0.45 mg. per ounce.

**THE BEMAX LABORATORIES (Dept. L. 42), Upper Mall, London, W.6**

For adequate treatment of

# PERNICIOUS ANAEMIA

*Lederle's* "1 cc. Concentrated Solution Liver Extract" offers these advantages:

A high degree of therapeutic effectiveness—

A small volume for each injection—

A minimum of discomfort from each injection—

An individual dose container (additional safety)—

Economical treatment of the disease —a given amount of active material injected being equivalent clinically to from 30 to 50 times that amount taken orally—

It provides for the use of large amounts of active material which are frequently required for the treatment of the nervous system changes—

Relatively long intervals, 7 to 20 or more days, between injections—

*Supplied only in boxes of 3—1 cc. vials*

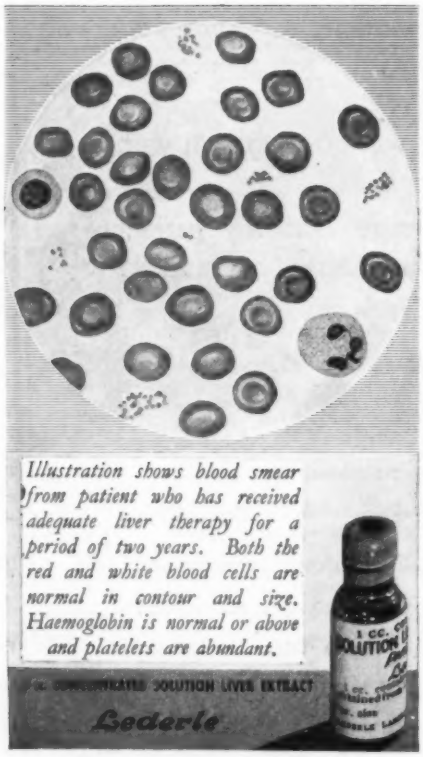



*Illustration shows blood smear from patient who has received adequate liver therapy for a period of two years. Both the red and white blood cells are normal in contour and size. Haemoglobin is normal or above and platelets are abundant.*

Chas. F. Thackray LTD

**The Old Medical School, LEEDS**
Telegrams and Cables: "Aseptic, Leeds." Telephone 20085 (3 lines)

**252, Regent Street, LONDON, W.1**
Telephone, Telegrams, and Cables: "Regent 1884 London"

*Agents for the Irish Free State: Messrs. WILCOX, JOZEAU and CO., 19, TEMPLE BAR, DUBLIN.*

# SERENOL

*biological non-toxic*

## SEDATIVE

*Serenol* is a sedative with action on the centres of the nervous vegetative system, sympathetic and parasympathetic, and on the cortical centres. Recent knowledge has shown the interaction of nervous vegetative system and endocrine system, and on this knowledge SERENOL is based. It is thus a biological, not a symptomatic, sedative, and, unlike many other sedatives, has not a direct depressant action on the cortical cerebral centres.

*Serenol* possesses this action on the basis of its formula.

*Serenol* is indicated in conditions of anxiety and general irritability, insomnia, hyperthyroidism, hyperadrenalism (as in neurocirculatory asthenia, effort syndrome), the so-called nervous palpitations of the heart, etc.

*Serenol* is given in the following dosage. For mild cases one to two dessertspoonsful on retiring. For more severe cases one dessertspoonful at 10 a.m., one dessertspoonful at 4 p.m. and two dessertspoonsful on retiring.

*Serenol,* being a biological sedative containing no barbiturate, is not habit forming.

### *Formula*

| | |
|---|---|
| Campho Sulphonate of sparteine | 6.0 grams |
| Campho Sulphonate of ephedrine | 2.5 ,, |
| Extract of boldo - - - | 10.0 ,, |
| Extract of crataegus - - - | 20.0 ,, |
| Extract of salvia - - - | 10.0 ,, |
| Tincture of marrubium - - | 10.0 ,, |
| Glycerine extract of thyroid - (1 equals 1 of fresh gland) | 0.10 ,, |
| Valerian - - - - - | 50.0 ,, |
| Hexamethylene-tetramine - - | 10.0 ,, |
| Excipient q.s. - - - | ad 1,000 c.c. |

PRICE - 4/6 per 4 oz. bottle

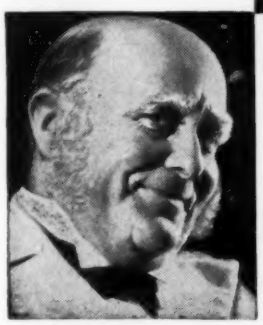
Sample and Literature on request.

CONTINENTAL LABORATORIES LTD. 30 MARSHAM STREET, LONDON, S.W.1

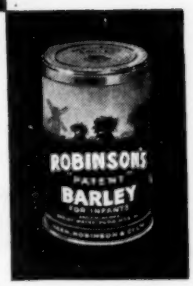
# There is many a cause for ACIDOSIS

It may be a common cold or any febrile disease, it may be nephritis or liver disorder, general anæsthesia or pregnancy . . . but whatever the cause of acidosis, ALKA-ZANE is well designed to restore and maintain the alkaline balance. The citrates, carbonates and phosphates of sodium, potassium, calcium and magnesium in Alka-Zane supply the necessary support to the alkali reserve. Alka-Zane is supplied in 4 ounce bottles. Trial quantity gladly sent on request.

WILLIAM R. WARNER & CO., LTD., POWER ROAD, CHISWICK, LONDON, W.4



# AS A FLUID INTAKE




Medical opinion supports the use of barley water for this purpose. And when you prescribe Robinson's 'Patent' Barley you can rely on pure barley packed in sealed hygienic containers—obviously better than pearl barley from an open sack. Your patients will appreciate the fact that stewing is quite unnecessary and that small quantities of barley water can be freshly made as required. As a fluid intake in cases of influenza and febrile conditions you can safely prescribe . . .

# BARLEY WATER

## made from

# ROBINSON'S

## "PATENT" BARLEY

Descriptive pamphlet and clinical trial sample of Robinson's 'Patent' Barley will gladly be sent on application to KEEN ROBINSON & CO. LTD., Dept. U-188, Carrow Works, Norwich

TVS—188

**PROSEPTASINE**
TRADE MARK

Recent publications confirm that PROSEPTASINE is fully AS ACTIVE AS and much LESS TOXIC than sulphanilamide. It has the highest therapeutic ratio of any anti-streptococcal agent yet produced.

**SOLUSEPTASINE**
TRADE MARK

The colourless sulphonamide preparation for parenteral administration. MAY BE INJECTED INTRAVENOUSLY. For use in very urgent cases and where there is difficulty in swallowing or retaining medicine given by mouth.

There is evidence to show that these drugs are effective in B. Coli infections.

*A copy of a detailed publication on these two products—CHEMOTHERAPY OF STREPTOCOCCAL INFECTIONS—will be sent on request.*

**PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM**

# HEPATEX

## (Oral)

A potent extract of carefully selected mammalian liver, prepared by a process which ensures the hæmopoietic factor and the vitamin B complex in the highest proportions.

It is the most concentrated oral extract available, and is palatable and easily assimilated.

The therapeutic equivalent of two ounces of fresh liver is contained in a teaspoonful dose.

DOSAGE: In the initial treatment of pernicious and other primary anæmias, one to four fluid drachms per day will be found sufficient.

As the condition of the patient improves a maintenance dose of one or two teaspoonfuls a day will suffice, or alternatively, one larger dose may be given weekly.

A 4-oz. bottle of Hepatex contains sufficient for one week's initial treatment or three weeks' maintenance.

**Issued in 4 fld. oz. bottles - 12/6 each**

**Neo-Hepatex, for parenteral use, is the latest advance in Liver Therapy, and is suitable for either intravenous or intramuscular administration**

**Prepared at Evans' Biological Institute**
by

# Evans Sons Lescher & Webb Ltd.

Liverpool and London

TRADE MARK **ANTOSTAB** BRAND

## Gonad Stimulating Hormone

**A NEW GONADOTROPIC HORMONE WITH INTENSE FOLLICLE MATURING ACTIVITY**

ANTOSTAB is a gonadotropic hormone prepared from pregnant mares' serum, having a powerful action in stimulating ovulation and the secretion of the œstrogenic hormone by the ovary.

ANTOSTAB is indicated in the treatment of conditions associated with anterior pituitary and ovarian dysfunction. Excellent results have been obtained in the treatment of Primary and Secondary Amenorrhœa and Metrorrhagia.

ANTOSTAB is supplied in boxes containing ampoules of 100 mouse units, and ampoules containing 1 c.c. of 0.90% Sodium Chloride Solution as a solvent for Antostab. Single ampoules and boxes of six ampoules.

*Literature sent on request.*

**OBTAINABLE THROUGH ALL BRANCHES OF**
*or from the Wholesale and Export Dept.*
**BOOTS PURE DRUG CO., LTD NOTTINGHAM, ENGLAND**

The Boots Chemists

# AN ANNOUNCEMENT

The British Drug Houses Ltd. have pleasure in announcing the issue of MANDECAL (Compound Calcium Mandelate B.D.H.) for use in the treatment of urinary infections.

The introduction of MANDECAL is the outcome of an investigation (*Lancet*, May 8th, 1937, p. 1104) undertaken with a view to finding a means of overcoming certain disadvantages which are associated with mandelic acid treatment, for instance, occasional nausea and dyspeptic discomfort. In this investigation 'the same good results' were obtained as with other preparations of mandelic acid, but without any of the drawbacks associated with the latter treatment.

MANDECAL has been subjected to clinical trial and has been found to be fully as effective as ammonium mandelate, to cause no gastric disturbances and to be more readily acceptable to the fastidious patient.

MANDECAL is a light, pleasantly-flavoured powder containing 75 per cent. of pure calcium mandelate; it possesses an outstanding advantage accruing from its ready miscibility with water. It is necessary merely to measure the required dose and to stir it into about two fluid ounces of water in a glass; immediately an even suspension is formed ready for administration.

MANDECAL is available in bottles containing approximately 130 grammes, sufficient for treatment lasting seven days.

# MANDECAL

(Compound Calcium Mandelate B.D.H.)

*Literature on request*

**THE BRITISH DRUG HOUSES LTD. LONDON N.1**

Mnel/S/1

# High Blood Pressure, Metabolic Disorders and Anaemia constitute a "tripod" of modern Disease

*By dilating the peripheral blood vessels*, Dr. Buergi's preparation of chlorophyll ('Phyllosan' tablets) becomes a therapeutic weapon in the treatment of high blood pressure. As it also *augments the force of the heart beat*, the circulation is adequately maintained.

*By stimulating the metabolic exchanges*, Dr. Buergi's preparation exercises a *revitalizing* effect upon the human organism. The lay expression "*vitality*" has received a technical re-christening in the term "*metabolism*." To speed up the latter is to renew the former. Bodily sluggishness and mental retardation are nowadays linked up with low basic metabolic rates — as, for example, in myxœdematous states.

Finally, by reason of its chemical affinities to hæmoglobin and its "catalyst" action, chlorophyll is able to *stimulate the blood-forming apparatus*. The indications for the use of 'Phyllosan' tablets in anæmic conditions are soundly rooted in laboratory tests and have been confirmed in the clinic.

*Rentz (Upsala University): "Some investigations into the Pharmacological properties of Chlorophyll."*
*Fuller: "Anæmia, its Causes and Modern Treatment" (Lewis).*

A PAMPHLET ★

# Hyperpiesia, Metabolic Disorders and the Anaemias

## Recent Advances in Medical Practice

A review of the experimental and clinical evidence for the use of

# 'PHYLLOSAN' Regd.

BRAND OF CHLOROPHYLL TABLETS

in Modern Therapeutics

★ Members of the medical profession are invited to write for a free copy of this publication and a trial supply of 'Phyllosan' tablets

**NATURAL CHEMICALS LTD., 12 CLIPSTONE STREET, LONDON, W.1**

*The registered trade mark 'Phyllosan' is the property of and denotes the products of Natural Chemicals Ltd., London*

# Where fatigue is a factor

MYERSON (*Arch. Neurol. and Psych.*, 36:816, Oct., 1936) found 'Benzedrine' Brand Tablets of value in dispelling morning apathy and depression in certain mild depressive neuroses.

Nathanson (*J.A.M.A.* 108:528, Feb. 13, 1937) and Wilbur, MacLean, and Allen (*Proc. Staff Meet. Mayo Clinic*, 12:97, Feb. 17, 1937) report over 75 per cent improvement in patients suffering from fatigue, lack of energy, and lassitude. The same authors state: "Marked stimulation of the nervous system is the most striking effect of the drug. The long duration of this effect is noteworthy. From the evidence which has so far accumulated, benzedrine does not appear to be toxic in usual doses nor does it seem to be habit forming." (*J.A.M.A.*, 109:549, Aug. 21, 1937.)

When chronic fatigability is a complicating factor in a patient's response to treatment, the stimulant effect of 'Benzedrine' Brand Tablets will often be found particularly helpful.

A physician's sample together with literature
will gladly be sent on request.

## 'BENZEDRINE'
BRAND
## TABLETS

**Each tablet contains 5 mg. β-Phenylisopropylamine Sulphate (Isomyn Sulphate).**

Distributed by

**MENLEY & JAMES, LTD., 64, Hatton Garden, London, E.C.1**

**for SMITH, KLINE & FRENCH Laboratories, owners of the Registered Trade Mark, 'Benzedrine.'**

# Digitalin Granules "A. & H."

**Physiologically Standardized**

Digitalin Granules, "A. & H.," a British preparation, consist of the *Digitaline cristalisée* of the French Pharmacopœia. This substance is the most active principle of digitalis leaves, and, because of its reputation for uniform activity, it has long been popular particularly on the Continent. Its use is recommended by high authority in cases where galenical preparations of digitalis have failed.

**In Two Strengths:**

gr. $\frac{1}{250}$ ($\frac{1}{4}$ mg.) in tubes of 40, 3/6, and 100, 7/3
In bottles of 250 for dispensing, 17/-

gr. $\frac{1}{500}$ ($\frac{1}{10}$ m.g.) in tubes of 40, 1/9, and 100, 4/-
In bottles of 250 for dispensing, 8/9

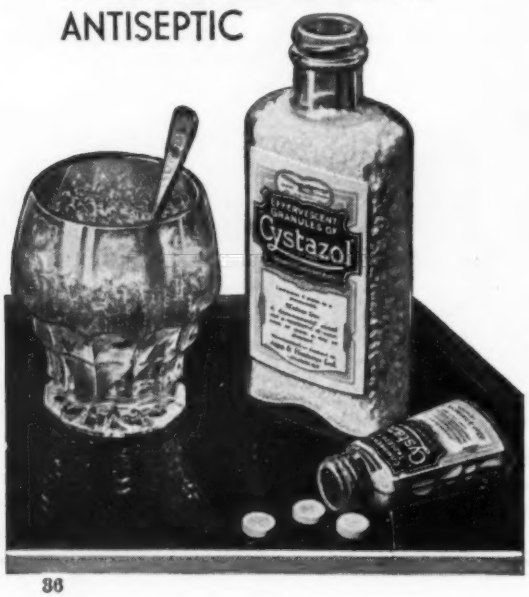
Subject to the usual professional discount.

***Descriptive literature and clinical trial sample will be sent post free on application.***

**ALLEN & HANBURYS LTD.**
**LONDON, E.2**
Telephone: Bishopsgate 3201 (12 lines) Telegrams: "Greenburys Beth London."

# 'CYSTAZOL'

## A POWERFUL URINARY ANTISEPTIC




**'Cystazol'** is a combination of Hexamine with Sodium Benzoate: its action depends on the liberation of formaldehyde from the decomposition of the hexamine that takes place in the urine which has been rendered acid by the sodium benzoate moiety.

**'Cystazol'** is employed with advantage in cystitis, bacilluria of all types, pellagra, gonorrhœa and septic conditions of the urinary tract generally.

**COMPRESSED TABLETS of 'Cystazol'**

Supplied in bottles of 20, 40, 80, 160 and 500 (10 grain) tablets, at 1/6, 2/6, 4/6, 8/6 and 20/-

**EFFERVESCENT GRANULES of 'Cystazol'**

Supplied in bottles at 2/6 and 4/6.

***Descriptive literature and clinical trial sample will be sent post free on application.***

**Allen & Hanburys Ltd., London, E.2**

Telephone: Bishopsgate 3201 (12 lines) Telegrams: "Greenburys Beth London"

# *The nicest way of taking Halibut Liver Oil*

HALIBORANGE presents Allenburys tasteless and odourless Halibut - Liver Oil, associated with additional vitamin D and Allenburys Orange Juice.

One teaspoonful of Haliborange is equivalent in vitamins A and D to one teaspoonful of cod-liver oil, and in vitamin C to two teaspoonfuls of fresh orange juice.

Haliborange is an excellent addition to the diet of babies as a precaution against rickets and scurvy. For older children, adolescents, or adults, it is a prophylactic vitamin tonic.

# Haliborange

In 5, 10 and 40 oz. bottles.

DESCRIPTIVE LITERATURE WILL BE SENT ON REQUEST.

## ALLEN & HANBURYS LTD.

Telephone: Bishopsgate 3201 (12 lines) LONDON, E.2 Telegrams: "Greenburys Beth London"

# Ventron Capsules

Each capsule contains:

Ventriculin (Concentrated) ... 5 grs. (equivalent to 15 grs of Ventriculin).

Naferon (Iron and Sodium Citrate Neutral) ... 2 grs.

Vitamin $B_1$ 20 International units

Vitamin $B_2$ 5 Sherman units

'VENTRON' is a combination suitable for the treatment of many forms of primary and secondary anæmia and for use as a general hæmatinic and tonic in any form of debility, especially in patients recovering from operations or severe infections. It contains desiccated gastric tissue (Ventriculin) in concentrated form, together with the vitamin B complex and iron and sodium citrate—a neutral soluble iron compound that is practically non-irritating to the gastro-intestinal tract and has a decided advantage over most other iron preparations. 'Ventron' is issued in hermetically-sealed capsules, which eliminate the taste and bulk associated with other methods of exhibiting desiccated gastric tissue.

*Supplied in bottles of 50 capsules.*

**Parke, Davis & Company, 50, Beak Street, London, W.1**

*Laboratories: Hounslow, Middlesex.* *Inc. U.S.A., Liability Ltd.*

Reduced to 3/4 size

TRADE MARK **'WELLCOME'** BRAND

# INSULIN

## The Insulin of supreme quality

Constitutes a standard which can only be met by the employment of pure Crystalline Insulin.

This standard is secured for every patient for whom the 'WELLCOME' Brand is prescribed.

| | | | |
|---|---|---|---|
| 20 Units per c.c.; | 5 c.c. phials, 1/6 each. | 40 Units per c.c.; | 5 c.c. phials, 2/10 each |
| 20 „ „ c.c.; | 10 c.c. „ 2/10 „ | 80 „ „ c.c.; | 5 c.c. „ 5/6 „ |

**TRADE MARK 'WELLCOME' BRAND INSULIN POCKET-CASE, No. 46** Nickel-plated Metal Case, fitted with 'Agla' Insulin Syringe. Phial of 'Wellcome' Insulin, 'Vaporole' Iodine Applicator and a glass-stoppered bottle for ethyl alcohol Price 22/6

*London Prices to the Medical Profession*

**BURROUGHS WELLCOME & CO., LONDON**

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# NUTRITION TREATMENT

## OSTOMALT

### The 4 Vitamin MALT EXTRACT

The vitamins of Ostomalt perfect the bodily machine; the malt extract feeds it. Thus, for young and growing children and for debilitated convalescents, Ostomalt builds a barrier against winter ills. Besides its natural vitamin B, special additions of vitamins A, C and D ensure the orderly growth of tissues and provide the best defence against disease and relapse. Agreeably flavoured, and entirely free from fishy oils. Teaspoon dosage suffices. In jars ***1/9*** and ***3/-***. Dispensary jars (7 times 3/- size) ***17/-***.

## FAREX

### The PROTECTIVE Cereal Food

The recognition of the importance of "protective foods" finds practical expression in Farex. This nutritious composite food has been specially devised to provide—in a blended cereal base—a reliable, *measured* supply of iron, calcium, phosphorus, other minerals and vitamins A, B and D. Doctors find Farex a valuable daily addition to the diet (e.g. as a "tonic breakfast") in cases of debility, muscular atonia, neurasthenia, dyspepsia. Farex is ready to serve, and can be flavoured to taste. In pourer cartons: ***1/-*** and ***1/9***

## COLD DISSOLVED VACCINE GL.

### Prophylaxis & Treatment

The immunity response of the Cold Dissolved Vaccine G.L. is more consistent, more rapidly developed and of a higher degree because the total antigens are in solution and thus immediately available on injection. Further, because the antigens are detoxicated, a full dose (½-1 cc.) may be given from the first without undesirable reaction. *IN TREATMENT.* One or two doses (½ to 1 cc.) in the early stages of a cold usually brings about a rapid regression of the symptoms. In rubber-capped bottles; 5 cc. ***7/6***; 10 cc. ***10/9***; 25 cc. ***17/6***.

## FERSOLATE

*(Ferrous Sulphate Tablets G.L)*

### for Iron Deficiency Anæmias

Anæmia is more common than was once believed, and the results of proper iron therapy are among the most satisfactory in medicine.

Each Fersolate Tablet (3 gr. ferr. sulph. exsic.) is therapeutically equivalent to 15 gr. Blaud's Pill B.P., and Fersolate dosage is therefore both convenient and economical. In treatment an increase of 1 to 2 per cent. hæmoglobin a day is usually achieved by 3 Fersolate tablets daily. In bottles of 100, ***2/6***; tins of 500, ***7/6***; 1,000, ***12/6***.

*All prices subject to usual discount, and not applicable in I.F.S.*

# G.L. PRODUCTS

## *For Everyday Practice*

*Other G.L. Products of special interest :—Adexolin, standardised concentrates of vitamins A and D . . . Ostocalcium Tablets (calcium sodium lactate with vitamin D) . . . Ostelin Liquid, the only concentrate of vitamin D miscible with water . . . Colloidal Calcium with Ostelin (vitamin D for parenteral use) . . . Glucose-D . . . Examen Liver Extract . . . Antivirin Nasal Jelly.*

GLAXO LABORATORIES LTD. GREENFORD, MIDDLESEX. BYRon 3434

# PHOSPHO-SODA

(FLEET)

fulfils all the requirements of an ideal

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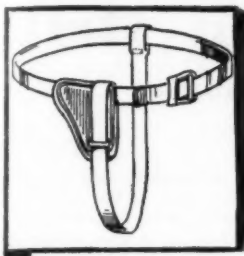

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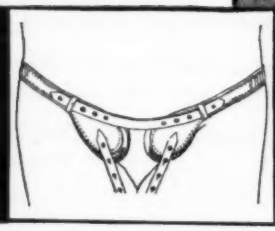

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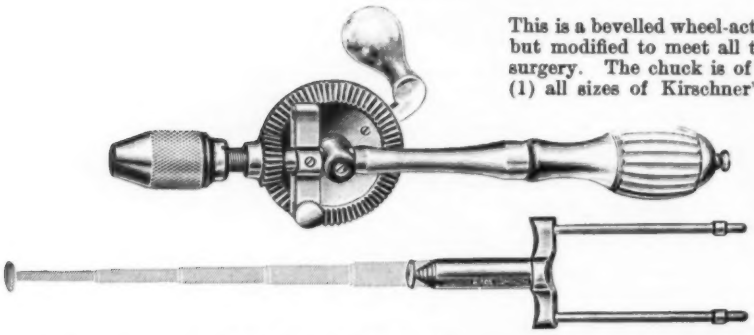

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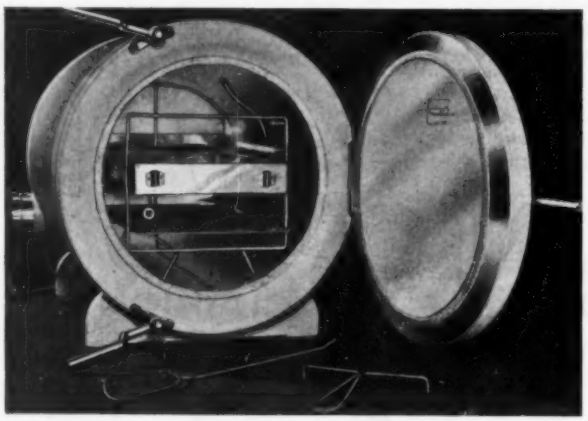

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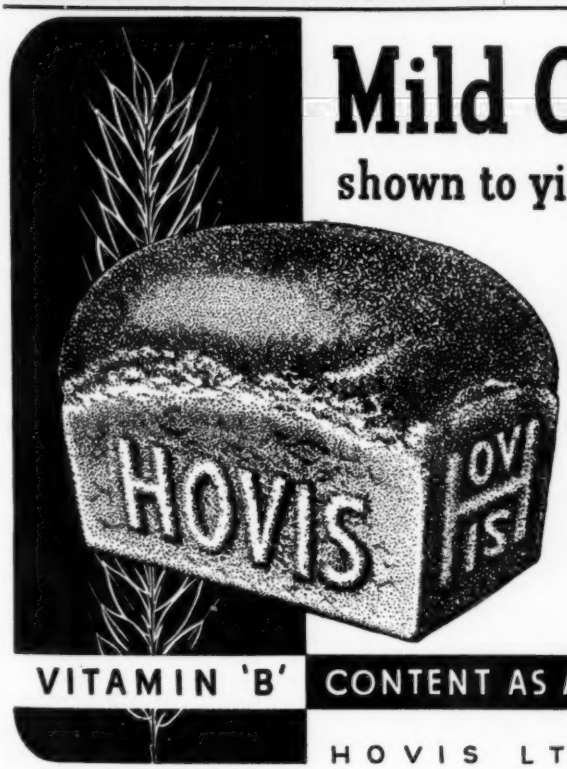


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## Royal College of Surgeons of England.

ANNUAL MEETING OF FELLOWS AND MEMBERS.

Notice is hereby given that it is proposed to hold a Meeting of Fellows and Members at the College in Lincoln's Inn Fields on THURSDAY, the 18TH NOVEMBER, 1937, at 4 o'clock P.M., and that a Report from the Council will be laid before the Meeting.

Fellows and Members can obtain copies of the Report on application to the Secretary, and can, if they so desire, have their names placed on the List of those to whom the Report is sent annually.

Motions to be brought forward at the Meeting must be signed by the mover, or by the mover and other Fellows and Members, and must be received by the Secretary not later than the 8th November.

A copy of the Agenda will be issued on or after the 13th November to any Fellow or Member who may apply for one.

KENNEDY CASSELS, Secretary.

9th October, 1937.

52

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Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.

Telephone: No. 6207 Barnwood.

## NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

*Telephone:* Stamford Hill 2633.

For further particulars apply to the MEDICAL SUPERINTENDENT.

## Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

## THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

## EPPING HOUSE

### LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.

An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Billiards, Squash Racquets, Lawn Tennis, Croquet, Bowls, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

*Telephone:* Essenden 12 *Apply*, J. C. BAKER, M.B.

PRIVATE PATIENTS

## London County Council. — Accommodation

for Male Patients (voluntary, temporary, or certified) is provided in the private section of Claybury Mental Hospital, Woodford-bridge, Essex. Terms, exclusive of clothing and special luxuries, 42s. a week for London cases, 49s. a week for others.

For particulars apply to the Medical Superintendent at the Hospital, or to the Chief Officer, Mental Hospitals Department, Shell-Mex House, Strand, W.C.2.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.
(Out-patient Department, Bayham-street, Camden Town, N.W.1.)

The Council invite applications for the appointment of SURGEON TO OUT-PATIENTS.

Candidates must be Fellows of the Royal College of Surgeons, England.

Applications, stating age, qualifications, and experience, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th.

Candidates will be required to call upon members of the Honorary Medical Staff of the Hospital.

Full particulars, together with the Regulations governing the appointment, may be obtained on application to the Secretary, Hampstead General and North-West London Hospital, Haverstock-hill, N.W.3.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.
(Out-patient Department, Bayham-street, Camden Town, N.W.1.)

The Council invite applications for the appointment of PHYSICIAN TO OUT-PATIENTS.

Candidates must be Members or Fellows of the Royal College of Physicians, London.

Applications, stating age, qualifications, and experience, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th.

Candidates will be required to call upon members of the Honorary Medical Staff of the Hospital.

Full particulars, together with the Regulations governing the appointment, may be obtained on application to the Secretary, Hampstead General and North-West London Hospital, Haverstock-hill, N.W.3.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.

APPOINTMENT OF A HOUSE SURGEON.

Applications are invited from unmarried Medical Men for an appointment of House Surgeon vacant on November 1st next.

The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.

Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should reach the Secretary not later than noon on October 16th next.

## The Queen's Hospital for Children,

Hackney-road, E.2. Tel. Bis. 4633.
(204 Beds.)

The Board of Management invite applications for the post of ASSISTANT SURGEON. Candidates must be Fellows of the Royal College of Surgeons. Attendance required one half-day weekly in Out-patient Department. The Assistant Surgeon will also have charge of Beds.

An honorarium to cover travelling expenses will be paid.

Applications, with copies of three recent testimonials, should be sent to the undersigned not later than 14th October, 1937.

24th September, 1937. CHARLES H. BESSELL, Secretary.

## The Queen's Hospital for Children,

Hackney-road, E.2.
(204 Beds.)

The Board of Management invite applications for the post of MEDICAL OFFICER in charge of Whooping-cough Clinic. Candidates must have had experience of children's diseases and preferably hold M.D. or M.R.C.P. Attendance on Friday afternoons. An honorarium of one guinea per session will be paid.

Applications, with copies of not more than three testimonials, should be sent to the undersigned not later than 14th October, 1937. CHARLES H. BESSELL, Secretary.

24th September, 1937.

## Metropolitan Hospital,

Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following resident appointments:—

(*a*) SENIOR HOUSE PHYSICIAN.
(*b*) SENIOR HOUSE SURGEON.
(*c*) JUNIOR HOUSE PHYSICIAN.
(*d*) JUNIOR HOUSE SURGEON.

Males. Salary £100 per annum.

Appointments in the first place will be for a period of six months dating from 1st November.

Candidates must possess a registered medical and surgical qualification of the United Kingdom.

Form of application may be obtained from the undersigned.

Two members of the present staff are candidates for the two senior appointments.

FRANK JENNINGS, House Governor and Secretary.

## Westminster Hospital,

Broad Sanctuary, S.W.1.

Applications are invited for a RADIOLOGIST in connexion with the two Radium Bombs at the Westminster Hospital Annexe, 66, Fitzjohn's-avenue, Hampstead.

Candidates must be registered Medical Practitioners. Preference will be given to candidates possessing or reading for the D.M.R.E.

The appointment is full time and will be for one year.

Five copies of applications and of three testimonials, should be sent to the undersigned, from whom the amount of the salary and other details can be obtained, at Westminster Hospital, Broad Sanctuary, S.W.1, on or before Friday, 15th October, 1937.

CHARLES M. POWER, Secretary.

## Corporation of Barking.

RESIDENT MEDICAL OFFICER.

Applications are invited before the 22nd October, 1937, from qualified Medical Practitioners for the designated appointment of Resident Medical Officer at the Council's UPNEY (MATERNITY) HOSPITAL, comprising 24 Beds.

Previous medical appointments in a maternity hospital and experience in ante-natal work is essential, and preference will be given to candidates holding or reading for membership of the College of Obstetrics and Gynæcology.

Salary £350–£25–£450, plus emoluments, valued at £150 per annum.

Particulars of duties and application forms may be obtained from the undersigned. S. A. JEWERS, Town Clerk.

Town Hall, Barking, Essex.

## Royal Free Hospital,

Gray's Inn-road, London, W.C.1.

Applications are invited from Medical Women who have had recent previous V.D. experience, for the part-time appointment of ASSISTANT MEDICAL OFFICER in the Department for Treatment of Venereal Diseases (female) vacant on the 1st January, 1938. Tenable for twelve months at a minimum salary of £300 per annum.

Intending candidates should submit applications stating age and experience, with copies of three recent testimonials, to the undersigned on or before 16th October, 1937.

RICHARD T. BARTLEY, Secretary.

## The National Temperance Hospital,

Hampstead-road, N.W.1.

Applications are invited for the following post—HOUSE PHYSICIAN (Male). Salary £100 per annum. Board, residence, and laundry allowance being provided.

The appointment is for a period of six months, as from November 1st. Preference will be given to those who have held resident posts. Candidates must submit applications stating qualifications, age, &c., with copies of not more than three testimonials, by Wednesday, 20th October, addressed to the Secretary.

## St. Mary's Hospital, W.2.

OBSTETRIC REGISTRAR.

The Board of Management invite applications for the above post. Candidates for the appointment must be Fellows or Members of the Royal College of Surgeons of England, or Graduates in Surgery of a British University. An honorarium of £100 per annum will be paid, with luncheon and tea provided. Copies of the regulations for the Obstetric Registrar may be obtained on application to the Secretary's Office.

Applications, with copies of not more than three testimonials, should reach the undersigned on or before Tuesday, 12th October.

W. PARKES, House Governor.

## The Hostel of St. Luke (Clergy

NURSING HOME),
14, Fitzroy-square, London, W.1.

The Committee of Management invite applications for the post of RESIDENT MEDICAL OFFICER (Male) to the above Hostel.

Candidates must have had previous experience as House Surgeon at a General Hospital. The appointment is for six months, and may be renewable for a further period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry. A fortnight's holiday will be allowed every six months, and the Locum will be paid by the Committee of the Hostel.

Applications, with three recent testimonials, should be addressed to the Secretary of the Hostel at 14, Fitzroy-square, London, W.1, and reach him before October 16th. The successful applicant will be required to take up his duties on November 1st.

## East Ham Memorial Hospital,

Shrewsbury-road, E.7.
(100 Beds.)

Applications are invited for the post of PHYSICIAN in charge of the Skin Department. Candidates must hold a University Degree in Medicine and Surgery, and be Fellows or Members of the Royal College of Physicians of London and engaged solely in dermatological practice.

Applications, stating full particulars, together with copies of three testimonials, should reach the undersigned on or before the 21st October.

Candidates will be expected to send copies of their application and testimonials to, and call upon, Members of the Honorary Medical Staff.

REGINALD PERRY, Secretary.

## Royal National Orthopædic Hospital.

SURGICAL REGISTRARS. The Committee invite applications for the appointments of Three Registrars (Male) as from November 1st. Candidates who have obtained the F.R.C.S. (Eng.) will be preferred. Honorarium £105 per annum. The appointments are for twelve months, renewable for a further twelve months on the recommendation of the Medical Board.

Applications, with copies of three recent testimonials, should reach the Secretary, 234, Great Portland-street, London, W.1, not later than October 12th.

## West London Hospital,

Hammersmith, W.6. (239 Beds.)

Applications are invited for the post of RESIDENT ASSISTANT SURGEON (Male).

The appointment is an open one. Salary at the rate of £200 per annum (plus £25 for services in connexion with the Venereal Diseases Department), with board, residence, and laundry allowance. Four weeks' holiday a year. The appointment is for one year from November 1st next, terminable by three months' notice on either side, and, subject to annual re-election, may be extended to not more than three years.

Candidates must be duly qualified, registered Medical Practitioners, unmarried, and should hold one of the higher surgical qualifications. As Senior Resident Officer the Resident Assistant Surgeon will be responsible for certain administrative duties.

Applications, with copies of testimonials, should reach me not later than first post on Saturday, October 16th, 1937. Candidates must attend a Meeting of the Medical Council on Friday, October 22nd, 1937, at 4.30 P.M., and, prior to that date, call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board, but, if so notified, must attend a Meeting of the Board of Management at 5 P.M. on Tuesday, 26th October, 1937, when the appointment will be made.

H. A. MADGE, Secretary.

## Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.

APPOINTMENT OF CASUALTY SURGICAL OFFICER.

Applications are invited from unmarried registered Medical Practitioners for the position of Casualty Surgical Officer, vacant on November 1st next, at the Out-patient Department of the Hospital, Bayham-street, Camden Town.

The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.

Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should reach the Secretary not later than October 18th next.

## Woolwich and District War Memorial

HOSPITAL,
Shooters-hill, London, S.E.18.
(General Hospital. 112 Beds.)

The Board of Management invites applications from suitably qualified candidates for the post of HOUSE SURGEON for six months with effect from November 1st, 1937. Remuneration will be at the rate of £100 per annum, plus board, residence, and laundry.

The closing date for the receipt of applications (which should be made on the prescribed form obtainable from the undersigned) is Monday, October 18th, and short-listed candidates will be required to meet the Appointments Committee on Friday, October 22nd, 1937, at 4.45 P.M.

R. S. G. HUTCHINGS, Secretary.

## The Marie Curie Hospital.

(CENTRE FOR TREATMENT OF CANCER IN WOMEN BY RADIUM AND X RAYS.)

Applications are invited from qualified Medical Women for the post of RESIDENT MEDICAL OFFICER. Previous hospital experience desirable. Salary £100 per annum.

Applications to be sent, with copies of not more than three recent testimonials, to the Secretary, 2, Fitzjohn's-avenue, N.W.3.

## Dreadnought Hospital,

Greenwich, S.E.10 (Seamen's Hospital Society).

Applications are invited for the non-resident post of RECEIVING ROOM OFFICER (Male), for six months from the 18th October. Salary £200 per annum, with lunch and tea. Hours of attendance: week-days 9 A.M. to 5 P.M., Saturdays 9 A.M. to 12 noon.

Applications, stating age, nationality, and experience of previous House appointments, accompanied by copies of testimonials, to be sent in immediately to the undersigned.

2nd October, 1937. F. A. LYON, Secretary.

## The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st November, 1937, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Wednesday morning, October 20th, to the Secretary at the above address, from whom further particulars can be obtained.

## British Postgraduate Medical School.

APPOINTMENT OF SUB-DEAN.

The Governors invite applications from registered Medical Practitioners for the post of Sub-Dean of the School.

Salary £1250 per annum, rising by annual increments of £50 to £1500 per annum.

Applications must be received not later than the first post on 30th October, 1937, by the Chairman of the Governing Body, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, from whom further particulars of the duties, &c., may be obtained.

## British Red Cross Society.

CLINIC FOR RHEUMATISM.
Peto-place, Marylebone-road, N.W.1.

The British Red Cross Society invite applications for the appointment to the Clinic for Rheumatism, Peto-place, Marylebone-road, N.W.1, of an HONORARY GYNÆCOLOGIST.

Applications should be sent in not later than October 25th, addressed to:—

The Secretary of the Medical Board,
Clinic for Rheumatism,
British Red Cross Society,
14, Grosvenor-crescent, London, S.W.1.

## Hounslow Hospital.

Applications are invited for the post of—
HONORARY ASSISTANT SURGEON to the Ear, Nose, and Throat Department at the above Hospital.

Each candidate in his application should submit a statement of qualifications and experience, together with three recent testimonials, which should reach the Secretary, Hounslow Hospital, Hounslow, Middlesex, not later than October 22nd, 1937.

# HIS MAJESTY'S COLONIAL SERVICE

## COLONIAL MEDICAL SERVICE

Vacancies exist for Two DISTRICT MEDICAL OFFICERS in CYPRUS. Candidates must be British subjects of European parentage, under thirty-five years of age, and must possess a Medical qualification registrable in the United Kingdom. Candidates must be well qualified to undertake maternity work and preference will be given to candidates who have held Hospital or Public Health appointments and who have special knowledge of surgery, gynæcology and midwifery.

Salary—£500 a year, rising by annual increments of £20 to £700 a year with an efficiency bar at £600. The appointments are pensionable, subject to a probationary period of two years. Free quarters are not provided. Free Passages are provided on first appointment and when proceeding on and returning from leave. Appointed candidates will be required to pass examinations in modern Greek within a certain period after their arrival in Cyprus.

Further information and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (COLONIAL SERVICE), 2, RICHMOND-TERRACE, WHITEHALL, LONDON, S.W.1.

## West London Hospital,
Hammersmith-road. (239 Beds.)

CHIEF ASSISTANT TO THE DEPARTMENT FOR TREATMENT OF INJURIES required. The post is a resident one and the duties commence on November 1st. Salary at the rate of £200 a year, with board, lodgings, and laundry allowance. Candidates must be duly qualified registered Medical Practitioners, and it is desirable they should possess one of the higher Surgical Degrees or Diplomas. They must have had special experience in the treatment of fractures.

The appointment, which is terminable by a month's notice on either side, will be for a period of six months in the first instance, but this period may be extended.

Applications, which must be made on printed forms obtained from me, must reach me not later than first post on Wednesday, October 27th. Candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at a Medical Council Meeting at 4.30 P.M. on Friday, October 29th, and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

## Samaritan Free Hospital for Women,
Marylebone-road, N.W.1.

Applications are invited for the post of REGISTRAR for a period of twelve months, salary at the rate of £130 per annum.

Applications, stating age, accompanied by copies only of three testimonials, must reach the Secretary at the Hospital on or before Wednesday, Oct. 27th, 1937.

G. H. HAWKINS, Secretary.

## Samaritan Free Hospital for Women,
Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing on November 8th next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, accompanied by copies only of three testimonials, must reach the Secretary at the Hospital on or before Wednesday, noon, October 27th, 1937.

G. H. HAWKINS, Secretary.

## Borough of Southall.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH.

The Council invite applications for the above appointment from duly qualified and registered Medical Practitioners, who in addition to the qualification prescribed by any Statute are also registered in the Medical Register as holding a Diploma in Sanitary Science, Public Health or State Medicine.

The appointment will be subject to the provisions of the Local Government Act, 1933, the Sanitary Officers' (Outside London) Regulations 1935, and the approval of the Minister of Health.

The person appointed will be required to perform all the duties imposed on a Medical Officer of Health under relevant Acts and Orders, to act as Medical Officer to the Maternity and Child Welfare Centres, and Medical Superintendent of the Isolation Hospital so long as this continues to be maintained by the Council, and will also be required to carry out such other duties of a like nature as the Council may, with the consent of the Minister of Health (where necessary), from time to time direct.

The person appointed will be required to reside within the Borough, and to devote his whole time to the duties of the office. He will not be permitted to engage in private practice.

The inclusive salary attaching to the office will be £800 per annum, rising (subject to satisfactory service) by annual increments of £50 to a maximum salary of £1000 per annum, together with a car maintenance allowance of not less than £50 per annum.

All fees receivable in respect of any duties carried out by the Medical Officer of Health must be paid into the Council's accounts.

The Local Government and Other Officers' Superannuation Act, 1922, has been adopted, and the above-mentioned post designated for Superannuation purposes, and the successful candidate will be required to pass a medical examination by the Council's Medical Officer of Health, and to contribute to the Council's Superannuation Fund.

The person appointed will be required to give three months' notice to determine the appointment.

Applications, stating age, qualifications, and experience, accompanied by copies of three recent testimonials, must be delivered ot the undersigned not later than the 28th October, 1937.

The canvassing of any Member of the Council by or on behalf of any candidate for the above-mentioned appointment is prohibited, and will result in the disqualification of that candidate, and each candidate is required to state in his application whether or not he is related to any Member or Chief Officer of the Council.

W. STALEY BROOKES, Town Clerk.

Town Hall, Southall, 4th October, 1937.

## Hospital for Epilepsy and Paralysis,
Maida Vale, London, W.9.

HOUSE PHYSICIAN (required November 1st).

Applications are invited for this post. The salary is at the rate of £100 per annum, and the appointment is for six months.

Applications, accompanied by copies of three recent testimonials, should reach me by October 13th.

The accommodation at the Hospital does not permit of Women Graduates holding this appointment.

H. W. BURLEIGH, Secretary and General Superintendent.

## Examining Board in England
BY THE
ROYAL COLLEGE OF PHYSICIANS OF LONDON
AND THE
ROYAL COLLEGE OF SURGEONS OF ENGLAND.

DIPLOMA IN ANÆSTHETICS.

Notice is hereby given that the next Examination for the Diploma in Anæsthetics will commence on Friday, November 12th.

Candidates who have complied with the necessary requirements, and who desire to present themselves for the above examination, must apply in writing to the Secretary, Examination Hall, 8/11, Queen-square, London, W.C.1, at least twenty-one days before the date of the Examination.

HORACE H. REW, Secretary.

## Royal College of Surgeons of England.

DIPLOMA OF FELLOW.

Notice is hereby given that the next Primary and Final Examinations for the Diploma of Fellow will commence on Monday, November 29th, and Thursday, November 11th, respectively.

LICENCE IN DENTAL SURGERY.

Notice is hereby given that the Final Examination will commence on Friday, November 5th.

Candidates who have fulfilled the necessary conditions, and who desire to present themselves for Examination, must give notice in writing to the Director of Examinations, Examination Hall, 8/11, Queen-square, London, W.C.1, at least twenty-one days before the date of Examination, transmitting at the same time such Certificates as may be required by the Regulations.

HORACE H. REW, Director of Examinations.

## Royal Eye Hospital
MEDICAL SCHOOL,
St. George's-circus, S.E.1.

RESEARCH SCHOLARSHIP.

Applications are invited for the Royal Eye Hospital Research Scholarship tenable at the Hospital.

Preference will be given to candidates who propose to undertake research on a clinical subject.

The value of the Scholarship is £100 per annum.

Applications are to be received by November 13th, 1937. Further particulars can be obtained from the Dean.

## Central London Throat, Nose and
EAR HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANTS IN THE OUT-PATIENTS' DEPARTMENT.

There are the following vacancies:—

Second Assistant to attend on Saturdays at 11.30 A.M.
Third Assistant to attend on Tuesdays at 5 P.M.
Third Assistant to attend on Mondays at 2 P.M.

The duties are to assist the Surgeons in seeing the patients and the posts are honorary ones.

Applications, which may be for periods of three, six, or twelve months, should be sent to the undersigned immediately.

JOHN H. YOUNG, Secretary-Superintendent.

## Miller General Hospital,
Greenwich-road, S.E.10.

Applications are invited for the post of ASSISTANT RADIOLOGIST. Candidates must possess a medical qualification and the D.M.R.E. Candidates will be expected to call upon the Members of the Honorary Medical and Surgical Staff, a list of whom can be obtained from the Secretary.

An honorarium of £125 per annum will be allowed.

Applications, stating qualifications and experience, together with copies of not more than three recent testimonials, should be sent to the Chairman of the Hospital on or before October 25th, 1937.

21st September, 1937.

## Hospital for Consumption and Diseases
OF THE CHEST,
Brompton, S.W.3.

The Committee of Management invite applications for the post of whole-time qualified ASSISTANT in the Department of Pathology. Duty qualified Women are eligible for appointment. Further particulars may be obtained at the Hospital. Salary £350 per annum.

Applications, with copies of testimonials, must reach the undersigned not later than October 19th. Candidates will be required to attend the meeting of the Medical Committee on Wednesday, October 20th, at 4.30 P.M.

F. G. ROUVRAY, Secretary.

Brompton, S.W.3, October, 1937.

## St. Mary's Hospital, W.2.

CASUALTY HOUSE SURGEON.

Applications are invited for the above post from duly qualified candidates.

Candidates must have been House Surgeons for a full period of office to this Hospital or to some other General Hospital approved by the Board.

The salary is £100 per annum, with board and residence, and the appointment is for six months.

Applications, with copies of testimonials not exceeding three in number, should reach the undersigned (from whom particulars may be obtained) on or before Thursday, 21st October.

W. PARKES, House Governor.

## Charing Cross Hospital.

MEDICAL REGISTRAR.

The Council invites applications for the post of Medical Registrar. Candidates must be registered Practitioners (Male). Honorarium £150 per annum.

A copy of the Regulations can be obtained from the undersigned to whom applications, together with copies of three recent testimonials, must be submitted not later than the first post on Monday, the 18th October, 1937.

GEORGE J. JONES, Secretary.

Charing Cross Hospital, Strand, W.C.2,
5th October, 1937.

## Bethlem Hospital, Monk's Orchard,

Eden Park, Beckenham, Kent.

Wanted, ONE RESIDENT HOUSE PHYSICIAN (Gentleman, unmarried), recently qualified in Medicine and Surgery.

The term of residence is for six months from November 1st, apartments, complete board, and laundry being provided, and an honorarium at the rate of £150 per annum, will be paid for the first three months, rising if commendable service be given to the rate of £200 per annum for the second period of three months.

Written applications, with testimonials, are to be forwarded to the Physician-Superintendent at the Hospital, from whom copies of the duties can be obtained.

## The Royal Waterloo Hospital for

CHILDREN and WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY AND ORTHOPÆDIC HOUSE SURGEON.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty and Orthopædic House Surgeon to work in the Out-patient Department with care of Orthopædic beds; vacant immediately, at £150 per annum. The appointment is in the first instance for a period of six months.

Applications, with copies of testimonials, should be sent to the Secretary at the Hospital, from whom further particulars can be obtained.

## Westminster Hospital,

Broad Sanctuary, S.W.1.

Applications are invited for the office of ASSISTANT OPHTHALMIC SURGEON to this Hospital.

Gentlemen desirous of becoming candidates must be Fellows of the Royal College of Surgeons of England.

Each candidate is required to transmit a certificate of his age and thirty copies of his application, with thirty copies each of three testimonials, to the undersigned not later than Monday, 25th October, 1937, and to attend the House Committee on Tuesday, 26th October, 1937, at 4.15 P.M.

By order of the House Committee.

CHARLES M. POWER, Secretary.

## Norfolk and Norwich Hospital, Norwich.

APPOINTMENT OF HONORARY PHYSICIAN.

The Board of Management hereby gives notice that there is a vacancy for an Honorary Physician, which will be filled on Tuesday, the 16th November, 1937, at 3 P.M.

Candidates for the office of Physician shall produce evidence of being Doctors in Medicine of one of the Universities of the British Empire or Members of the Royal College of Physicians of London, and having been registered according to the provisions of the Medical Act.

Applications, with copies of testimonials, must be sent not later than fourteen days before the day of election to the undersigned.

By order of the Board of Management.

FRANK INCH, House Governor and Secretary.

8th October, 1937.

## David Lewis Northern Hospital,

LIVERPOOL.

(UNIVERSITY OF LIVERPOOL CLINICAL SCHOOL.)

The Committee invites applications for the post of MEDICAL REGISTRAR AND TUTOR.

The appointment, which is non-resident, will be for the period ending 30th September, 1938.

Applications, together with copies of testimonials, should be addressed immediately to the undersigned, from whom further particulars may be obtained.

THORNBURROW GIBSON, Secretary-Superintendent.

5th October, 1937.

## Royal Surrey County Hospital,

GUILDFORD.

(216 Beds.)

Wanted, November 1st, 1937.

HOUSE SURGEON (Male).

Six months' appointment; recognised for the F.R.C.S. Duties General Surgery, Orthopædics, and Casualties. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than 19th October, 1937.

## County of Kent.

TWO ASSISTANT TUBERCULOSIS OFFICERS (MALE).

Applications are invited for the above-mentioned whole-time appointments on the staff of the Public Health Department.

The duties will include attendance at Dispensaries and such other work as may be assigned from time to time.

The salary is at the rate of £600 a year rising, subject to satisfactory service, by annual increments of £25 to a maximum of £750 a year, with subsistence and travelling allowances according to the County Council's scale.

The officers appointed will be required to reside in such part of the county as may be directed.

The posts are designated as established ones under the Local Government and Other Officers' Superannuation Act, 1922, and each is terminable by three months' notice on either side. The successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications, and clinical experience, with special reference to practical experience in the diagnosis and treatment of Tuberculosis, accompanied by copies of not more than three testimonials, must be received by the County Medical Officer of Health, Sessions House, Maidstone, not later than Tuesday, 19th October, 1937. No official form of application will be issued.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 2nd October, 1937.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the posts of:—

(a) HOUSE PHYSICIAN (Male) to the SUTTON BRANCH, vacant November 5th. Salary £160.

The Branch Hospital is not a recovery annexe, but a General Hospital of 100 Beds, 45 of which are reserved for medical cases.

(b) SECOND HOUSE PHYSICIAN (Male) MAIN HOSPITAL vacant October 22nd. Salary £150.

Salary is plus residence, board, and laundry.

The posts are recognised by the University of London for the M.D. Branch 1 (Medicine) Examination.

The appointments will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

4th October, 1937. R. J. CARLESS, House Governor.

## Lancashire County Council.

JUNIOR ASSISTANT MEDICAL OFFICER, WRIGHTINGTON HOSPITAL, APPLEY BRIDGE.

Applications are invited for the post of Junior Assistant Medical Officer (Male, unmarried) for the Wrightington Hospital which contains 206 Beds for non-pulmonary tuberculosis (adults, and children), and 20 Beds for "combined" pulmonary and non-pulmonary cases. Salary £200 per annum, together with board, residence, and laundry.

The appointment will be for six months or for twelve months as may be agreed upon.

The medical staff consists of medical superintendent, two assistants, two consultant orthopædic surgeons, and other visiting surgeons. There are excellent facilities for reading for M.D.

Forms of application and conditions of appointment obtainable from Central Tuberculosis Officer, County Offices, Preston. Letters to be marked "Wrightington M.O."

Closing date 21st October, 1937.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston.

## The Robert Jones and Agnes Hunt

ORTHOPÆDIC HOSPITAL, OSWESTRY.

(Beds: Adults, 210. Children, 110.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male), which will become vacant in January, 1938.

The appointment is for a period of one year, but may be renewed annually for a period not exceeding three years.

Commencing salary £350 per annum, rising by annual increments of £50 to £450 per annum, with board, residence, laundry.

Candidates must be registered Medical Practitioners and have had previous Orthopædic experience; it is essential that they should possess a higher surgical qualification.

Applications, together with copies of three recent testimonials, stating age, qualifications, and experience, should be received not later than the 6th November, 1937.

JOHN MENZIES, Secretary-Superintendent.

## The Royal Gwent Hospital, Newport,

MON.

(210 Beds.)

Applications are invited for the following appointments, which become vacant on November 1st next:—

One HOUSE PHYSICIAN; Three HOUSE SURGEONS; One HOUSE SURGEON to Fracture and Orthopædic Department. Each appointment is for six months, commencing November 1st. Salaries: House Physician at the rate of £150 per annum; House Surgeons at the rate of £135 per annum; in all cases including full board, quarters, and laundry.

Applications, with full particulars, should be addressed to the undersigned immediately.

S. CECIL HILL, Secretary-Superintendent.

# ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in January, 1938.

Candidates below the age of 28 years are preferred and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance, which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 22nd November, 1937.

# HIS MAJESTY'S COLONIAL SERVICE

## COLONIAL MEDICAL SERVICE

The Secretary of State for the Colonies proposes to select within the next few months not less than **12 MEDICAL OFFICERS** to fill vacancies, the majority of which will occur in **TROPICAL AFRICA** or in **MALAYA**.

### QUALIFICATIONS.

Candidates must be British subject of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose, and throat, venereal diseases, &c.

### SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

### PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

### QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of the officer's salary.

### PASSAGES.

Free first-class passages are provided on first appointment and when proceeding on and returning from leave. Assistance is also given towards family passages.

### TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

### COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

### DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W.1.

## Rhondda Urban District Council.

WOMAN ASSISTANT MEDICAL OFFICER.

Applications are invited from unmarried or widowed Women Medical Practitioners, not exceeding forty-five years of age, for appointment as Assistant Medical Officer under the direction and supervision of the Council's Medical Officer of Health and School Medical Officer at a salary of £500, rising by annual increments of £25 to £700 a year, the first annual increment being payable on the 1st April following the completion of six calendar months' service under the Council; travelling expenses necessarily incurred in the performance of the duties will also be allowed. Candidates must have had not less than three years' professional experience subsequent to registration, and must be experienced in the diseases of children; the possession of a Diploma in Public Health is also considered desirable. The appointment, which is designated under the Local Government and Other Officers' Superannuation Act, 1922, will be subject to the passing of a medical examination, and will be terminable by two calendar months' notice on either side. The Officer appointed will be required to reside within the Rhondda Urban District, and will not be allowed to engage in private practice.

Applications are to be made on forms obtainable from the Medical Officer of Health, Tydfil House, Llewelyn-street, Pentre, Rhondda, by whom they must be received, endorsed "Assistant Medical Officer," and accompanied by copies of three recent testimonials, not later than the first post on Saturday, the 19th October, 1937.

D. J. JONES, Clerk of the Council.

The Council Offices, Pentre, Rhondda, 25th September, 1937.

## Devon County Council.

(Medical Department.)

HAWKMOOR SANATORIUM, near BOVEY TRACEY.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male or Female) for the above appointment. Candidates must be unmarried, and have held resident hospital appointments. Salary will be at the rate of £250 per annum, with board, residence, and laundry.

The appointment will be made in the first instance for a period of six months, and renewable for a further six months.

Forms of application may be obtained from the undersigned, and must be returned, accompanied with copies of not more than three recent testimonials, not later than the first post on Friday, October 22nd, 1937.

L. MEREDITH DAVIES,
County Medical Officer,
4, Barnfield-crescent,
Exeter.

## Knowle Mental Hospital, Fareham,

HANTS.

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER.

Applicants should be Male and single, and under thirty-five.

The salary is £350, rising by yearly increments of £25 to £450, with board, lodging, washing, and attendance, valued at £150.

The possession of a Diploma in Psychological Medicine entitles the holder to an extra £50 per annum.

The salary is subject to deduction under the Asylums Officers' Superannuation Act, 1909.

Applications, stating age and all particulars, accompanied by copies of three recent testimonials, should be sent to the Medical Superintendent not later than 16th October, 1937.

## Manchester Royal Infirmary.

The Board of Management of the Manchester Royal Infirmary invite applications for the post of RESIDENT MEDICAL OFFICER of the PRIVATE PATIENTS' HOME of 100 Beds to be opened shortly.

Applicants must be registered and hold a Medical and Surgical qualification, and must have had at least one year's resident experience in a general hospital.

The appointment is for twelve months, renewable for a further period.

Salary £250 per annum, with board, residence, and laundry allowance.

Full information is obtainable from the undersigned, to whom applicants must send twelve copies of their application and testimonials on or before 9 A.M. on Thursday, October 14th, 1937.

By order.
W. R. TINDALE, General Superintendent and Secretary.

## City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWEL HALL BABIES' HOSPITAL.
(84 Beds.)

WOMAN RESIDENT MEDICAL OFFICER.

A Woman Resident Medical Officer is required for a period of six months. Duties to commence on 6th December.

Applicants should have had previous experience as a resident house physician.

Salary £250 per annum, with board and laundry.

Applications, giving particulars of qualifications, age, and experience, and accompanied by copies of three recent testimonials, should be sent to the Medical Officer of Health, The Council House, Birmingham, 3, on or before 15th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

## Royal Eastern Counties' Institution

FOR THE MENTALLY DEFECTIVE.

MEDICAL SUPERINTENDENT required, by about the 15th December, for a Branch of the Royal Institution situated at BRIDGE HOME, WITHAM, ESSEX. 340 male beds.

The Superintendent appointed will be in administrative and medical charge of the Home at Witham, subject to the authority of the Medical Superintendent of the whole group of Institutions and Branches which form the Royal Institution.

The appointment is a whole-time one. Previous residential experience in a Mental Deficiency Institution or in a Mental Hospital is essential. Age not over forty. Applications to be received not later than the 20th October. Salary £700 a year, rising by annual increments of £25 to a present maximum of £900, with unfurnished house (free of rates), gas, electricity, laundry, and garden produce.

Apply, giving age, nationality, experience, and copies of references, to Medical Superintendent, Royal Institution, Colchester.

## City Mental Hospital, Humberstone,

LEICESTER.

THIRD ASSISTANT RESIDENT MEDICAL OFFICER (Male, single), under thirty. Residential General Hospital experience is desirable. Salary £350, rising by £50 per annum to £450 per annum, together with board, lodging, washing, and attendance, valued for purposes of superannuation at £150 per annum. An additional £50 per annum will be paid for possession of a D.P.M.

The appointment is subject to the provision of the Asylums Officers' Superannuation Act, 1909.

There is a good laboratory and two active Psychiatric Clinics, one attached to the Leicester Royal Infirmary.

Applications, giving particulars of experience, &c., together with names of three references, one of which should be non-professional, and marked "A.M.O.," to be sent to the Medical Superintendent.

## City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

RADIOLOGIST.

Applications are invited for the above whole-time appointment from fully qualified registered Medical Practitioners who have had good experience in diagnostic radiology and who possess a recognised Diploma in Radiology.

Salary will be £800, rising by annual increments of £50, to a maximum of £1000 per annum.

The successful candidate will be required to pass an approved medical examination, and to contribute to the Superannuation Scheme established under the Local Government and Other Officers' Superannuation Act, 1922, as amended by Section 82 of the Birmingham Corporation Acts, 1935 (Annuities for Widows), and, if under thirty years of age, to join the Birmingham Municipal Officers' Widows' and Orphans' Pension Scheme. The appointment will be terminable by three months' notice on either side.

Further particulars of the appointment may be obtained from the Medical Superintendent of the Hospital.

Applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, and endorsed "Radiologist," should be sent to the Medical Superintendent, Selly Oak Hospital, Birmingham, not later than Wednesday, 13th October, 1937. F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, September, 1937.

## City of Manchester.

PUBLIC HEALTH DEPARTMENT.

CRUMPSALL HOSPITAL. (1568 Beds.)

APPOINTMENT OF A CONSULTANT AURIST—(PART-TIME).

The Public Health Committee invite applications for the appointment of Consultant Aurist (part-time) at the Crumpsall Hospital, Manchester 8, to commence duty on 1st December, 1937.

Salary £250 per annum.

Forms of application and copies of a memorandum on the terms and conditions of appointment may be obtained from the Medical Officer of Health, Public Health Department, Sunlight House, Quay-street, Manchester 3, by whom applications must be received not later than 23rd October, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 28th September, 1937.

## City of Liverpool.

SMITHDOWN-ROAD HOSPITAL. (1220 Beds.)

Applications are invited for the appointment of RESIDENT ASSISTANT MEDICAL OFFICER at Smithdown-road Hospital, a general Hospital with 1220 Beds.

The appointment is for a period of one year at a salary of £200 per annum, together with the usual residential allowances.

Canvassing will be deemed a disqualification.

Applications to be made on forms obtainable from the Medical Officer of Health, Municipal Annexe, Dale-street, Liverpool 2, to be endorsed "Resident Assistant Medical Officer," and returned to the undersigned so as to be received not later than Tuesday, 19th October, 1937. W. H. BAINES, Town Clerk.

Municipal Buildings, Dale-street, Liverpool 2,
October, 1937.

## The Coventry and Warwickshire
HOSPITAL, COVENTRY.

Applications are invited for the post of Non-resident HOUSE GOVERNOR AND SECRETARY to the above Hospital, commencing salary not less than £700, rising by biennial increases of £50 to £1000 per annum. Federated Superannuation Scheme is in force. Previous hospital administrative and organising experience essential. Medical examination may be required.

Applications, stating age, qualifications, and experience, and accompanied by copies of three recent testimonials, should be sent to the Chairman on or before October 16th. Canvassing will be deemed a disqualification.

## Northamptonshire County Council.
TOWCESTER RURAL DISTRICT COUNCIL.

SENIOR ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

DISTRICT MEDICAL OFFICER OF HEALTH.

The above Authorities invite applications from registered Medical Practitioners holding a Diploma in Public Health or similar qualification for the appointment of Senior Assistant County Medical Officer of Health and District Medical Officer for the Towcester Rural District.

The inclusive salary will be at the rate of £800 per annum with a travelling allowance on the scale from time to time approved by the County Council. Office accommodation and clerical assistance will be provided. £110 per annum of the above inclusive salary is attributable to the appointment of District Medical Officer.

The appointment of Senior Assistant County Medical Officer of Health is a designated post for purposes of the Local Government and Other Officers' Superannuation Act, 1922, and the salary attaching to that appointment will be subject to a deduction of 5 per cent. per annum for superannuation in accordance with the provisions of that Act.

The officer appointed will act under the County Medical Officer of Health as Assistant School Medical Officer and Assistant Medical Officer for Maternity and Child Welfare and perform such other duties as may be assigned to him by the County Council and County Medical Officer of Health.

The appointment will be subject to the Sanitary Officers (Outside London) Regulations, 1935, and the Local Government Act, 1933, and the officer appointed will be required to perform in the Towcester Rural District all the duties imposed on a District Medical Officer of Health by the relevant Acts, Orders and Regulations.

The officer will be required to devote his whole time to the duties of the office and to reside in a place approved by the Authorities.

The candidate appointed will be required to pass a medical examination.

The appointment will be determinable (subject to the relevant provisions of the Local Government Act, 1933) upon three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than 18th October, 1937.

Canvassing will disqualify.

H. S. MARTIN, Clerk of the County Council.

County Hall, Northampton, 28th September, 1937.

## The Hospital for Sick Children,
NEWCASTLE-UPON-TYNE.

Applications are invited for the posts of—
HOUSE PHYSICIAN
and
HOUSE SURGEON
(Male or Female), to commence duties as soon as possible until 31st January, 1938. Salary at the rate of £100 per annum, together with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of testimonials, to be sent to the Secretary, Mr. NEIL BRODIE, 18, City-road, Newcastle-upon-Tyne, 1.

## Addenbrooke's Hospital, Cambridge.

The General Committee invite applications for the appointment of an HONORARY PHYSICIAN.

Applications, accompanied by sixteen copies of each of three recent testimonials, to be sent to the undersigned on or before Thursday, November 4th

Personal canvass of the Committee is expressly forbidden.

J. A. BEARDSALL, Secretary-Superintendent.

## County Borough of Brighton.
SANATORIUM AND INFECTIOUS DISEASE HOSPITAL.

Applications are invited for the post of Male JUNIOR RESIDENT MEDICAL OFFICER.

Salary £250 per annum, with board and lodging.

The appointment is for a period of six months.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Particulars and form of application can be had from the undersigned.

Applications must be delivered at my office before 10 A.M. on Monday, 25th October, 1937.

DUNCAN FORBES, Medical Officer of Health.

Royal York Buildings, Brighton, 1, 1st October, 1937.



## City of Birmingham,
SELLY OAK HOSPITAL. (520 Beds.)

JUNIOR MEDICAL OFFICERS (Male).

Applications are invited from fully qualified Medical Practitioners for the whole-time appointments of Junior Medical Officers (Male) at the Selly Oak Hospital, Birmingham. The appointments will be for periods of six months in the first instance, but may be extended at the end of that time for further periods of not exceeding six months.

Salary at the rate of £200 per annum, and full residential emoluments.

Further particulars may be obtained from the Medical Superintendent at Selly Oak Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded not later than Wednesday, 27th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, September, 1937.

## North Wales Counties Mental
HOSPITAL, DENBIGH.

The Visiting Committee invite applications from duly qualified Male candidates, unmarried, for the post of JUNIOR MEDICAL OFFICER. Commencing salary, which will be subject to statutory deductions under the Provisions of the Asylums Officers' Superannuation Act, 1909, will be £350, rising by annual increments of £25 to £450 per annum, together with full board, residence, laundry, and attendance, valued at £125 per annum for superannuation purposes. The appointment to be terminable upon one month's written notice on either side.

A knowledge of Welsh is desirable. The person appointed will also be paid in addition to his salary the sum of £50 per annum if he holds the Diploma of Psychological Medicine.

Applications, stating age, qualifications, and accompanied by three recent testimonials, are to be sent to the Chairman of the Visiting Committee endorsed "Junior Medical Officer" not later than Saturday, the 23rd of October.

Dated this 29th day of September, 1937.

WM. BARKER, Clerk to the Visiting Committee.

## Sussex Eye Hospital,
Eastern-road, BRIGHTON. (48 Beds.)

HOUSE SURGEON (Male) required. Salary at the rate of £150 per annum, with board, residence, and laundry. Good ophthalmic experience. The appointment, which is for a period of six months, will be vacant about the middle of December.

The Hospital is recognised by the Examining Board of the Royal College of Physicians of London and the Royal College of Surgeons of England for the D.O.M.S. Diploma.

Applications in writing, accompanied by copies of recent testimonials, should be sent to P. F. SPOONER, Assistant Secretary, Sussex Eye Hospital, Eastern-road, Brighton.

29th September, 1937.

## Bexhill Hospital, Bexhill-on-Sea.
APPOINTMENT OF HONORARY CONSULTING SURGEON.

Applications are invited for the appointment of Consulting Surgeon on the Honorary Staff of the above Hospital. Applicants must be of recognised Consultant status.

Applications should be received by the undersigned not later than 20th October, 1937.

P. E. WINDO, Secretary.

## Bexhill Hospital, Bexhill-on-Sea.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male or Female).

Duties to commence on the 1st December, 1937, the appointment being for a period of six months. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, experience, and qualifications, accompanied by three recent testimonials, should be received not later than the 20th October, 1937.

P. E. WINDO, Secretary.

## County Borough of South Shields.
THE SOUTH SHIELDS GENERAL HOSPITAL.

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited by the South Shields Corporation for the appointment of Deputy Medical Superintendent of the above hospital (400 Beds), at a commencing salary of £350 per annum, rising by two annual increments of £50 to a maximum of £450 per annum, together with board, residence, and laundry, valued at £101 per annum.

The salary and emoluments are subject to a deduction of 5 per cent. under the Local Government and Other Officers' Superannuation Act, 1922.

Form upon which application should be made, accompanied by copies of three recent testimonials, may be obtained from the Medical Officer of Health, Town Hall, South Shields, and should be received by the undersigned in an envelope marked "Deputy Medical Superintendent" not later than the 27th day of October, 1937.

HAROLD AYREY, Town Clerk.

Town Hall, South Shields, 20th September, 1937.

## City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES.
(600 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of SECOND RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital, and have taken the diploma in Public Health, or have special experience in bacteriology, and who have had previous experience in fevers.

Salary £350, rising by £25 annually to £450 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester 3, and applications for the post must be received by him not later than 23rd October, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 2nd October, 1937.

## King George Hospital, Ilford.

(207 Beds.)

Applications are invited for the appointment of SURGICAL CLINICAL ASSISTANT. Duties to assist in Out-patient Department and Theatre on Monday afternoons and Friday mornings. Candidates must hold a Surgical Fellowship. Travelling allowance Ten Guineas.

Further particulars may be obtained from the undersigned, to whom applications should be addressed not later than 25th October, 1937.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

## The Royal Infirmary, Sheffield.

(500 Beds.)

The Board of Management invite applications for the under mentioned posts:—

1. HOUSE PHYSICIAN.
2. HOUSE SURGEON.
3. HOUSE SURGEON to the Orthopædic and Fracture Service.
4. OPHTHALMIC HOUSE SURGEON.
5. HOUSE SURGEON to the Ear, Nose, and Throat Department.

The salary attached to posts (1), (2), (3), and (5) is £80 per annum, increasing after six months' service to £100 per annum, and to (4) £120 per annum, with board and residence in each case.

These appointments will be tenable for the period of six months, commencing on 1st November, 1937.

The Ophthalmic Department contains 69 Beds and an Out-patient Department which is open daily.

Applications, with copies of testimonials, to be sent to the General Superintendent and Secretary.

4th October, 1937.

## The Guest Hospital, Dudley.

(General Hospital. 107 Beds. Shortly to be increased to 160 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER (Male). Salary at the rate of £250–£300 per annum, according to experience, with furnished apartments, board, and laundry. Candidates must have had experience in emergency surgery, and preference will be given to those holding the qualification of F.R.C.S. or M.S.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned. H. RAYMOND HURST, House Governor and Secretary.

1st October, 1937.

## Lincoln County Hospital.

Wanted, JUNIOR HOUSE SURGEON, Male, unmarried Salary at the rate of £150 per annum, rising to £200 per annum at the conclusion of six months' approved service. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testimonials, are to be sent to the undersigned, from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

Lincoln, 22nd September, 1937.

## The Robert Jones and Agnes Hunt

ORTHOPÆDIC HOSPITAL, OSWESTRY.
(Beds: Adults 210. Children 110.)

HOUSE SURGEON (Male) required at once. Appointment for six months with possibility of extension. Salary at the rate of £200 per annum, with board, residence, and laundry. Two weeks' holiday for each six months' service.

Applications, stating age, qualifications, and experience, with copies of three recent testimonials, to be addressed to the Secretary-Superintendent, and to reach him not later than October 23rd.

## Surrey County Council.

MENTAL HOSPITALS COMMITTEE.

APPOINTMENT OF JUNIOR ASSISTANT MEDICAL OFFICER (MALE).

Applications are invited for the post of Male Junior Assistant Medical Officer (unmarried) in the Surrey County Mental Hospital Service.

Commencing salary, which will be subject to statutory deductions under the provisions of the Asylums Officers' Superannuation Act, 1909, will be £350, rising by annual increments of £25 to a maximum of £450 per annum, together with apartments, board, laundry, and attendance, valued for superannuation purposes at £150 per annum. The person appointed will also be paid, in addition to his salary, the sum of £50 per annum if he holds the Diploma in Psychological Medicine.

The appointment will be subject to termination by one calendar month's notice on either side, and the person appointed will be required to undergo a medical examination.

Applications, stating age, accompanied by copies of three recent testimonials, and enclosed in an envelope endorsed "Mental Hospitals Junior Medical Officer," must reach me not later than Wednesday, 20th October, 1937.

DUDLEY AUKLAND, Clerk of the Council.

Mental Hospitals Department, County Hall, Kingston-upon-Thames, 5th October, 1937.

## Birmingham and Midland Eye

HOSPITAL.
(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Hospital. Salary £200 per annum, and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons, and, in the event of one of the latter being promoted to the position of Resident Surgical Officer, applicants should state whether they will be willing to accept appointment as House Surgeon at a salary of £130 (rising at the end of six months' satisfactory service to £150) per annum.

Applications, with testimonials and evidence of registration should be forwarded immediately.

J. W. PEARCE, General Superintendent.

Church-street, Birmingham, 3.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS.

Applications are invited from fully qualified Men for the above post.

The appointment is for six months.

Salary at the rate of £150 per annum.

Applications, stating age, together with copies of three recent testimonials, should be sent to the undersigned.

M. H. BOONE, Superintendent and Secretary.

4th October, 1937.

## Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

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4th October, 1937. A. MIDGLEY, Secretary.

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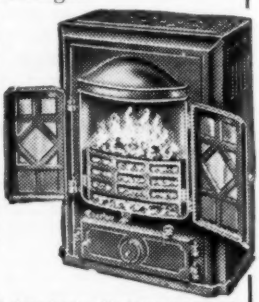

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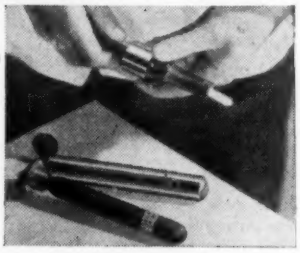

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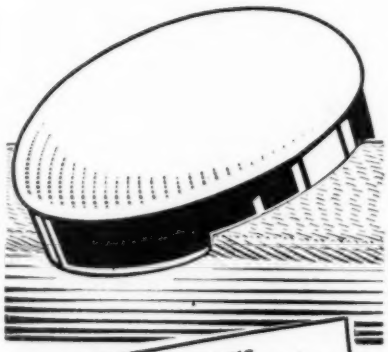

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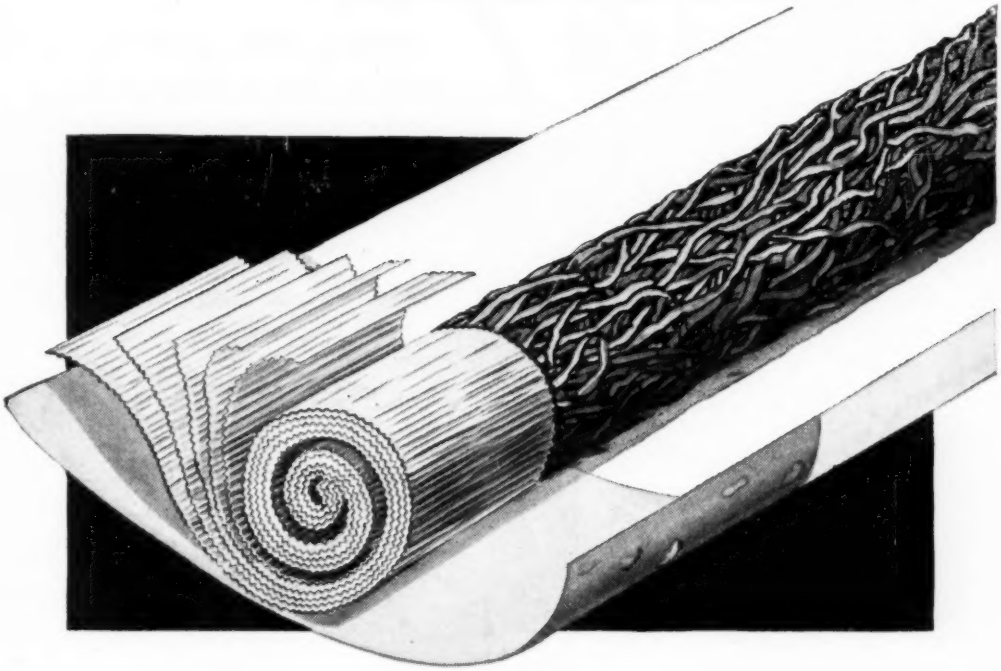

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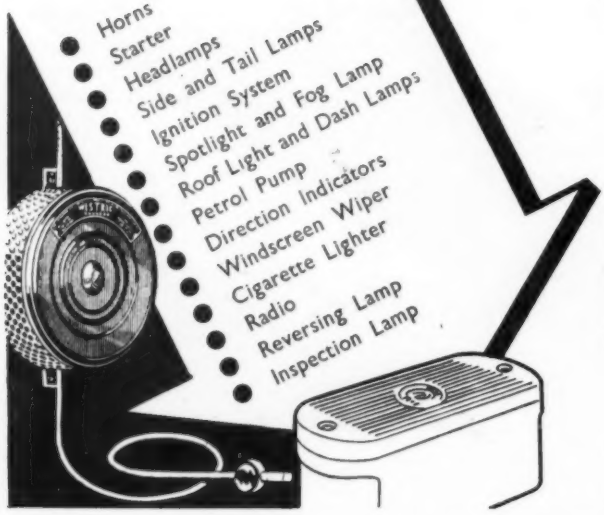


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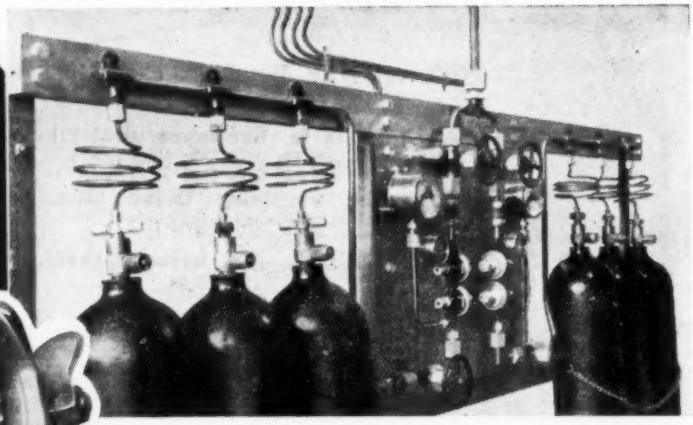

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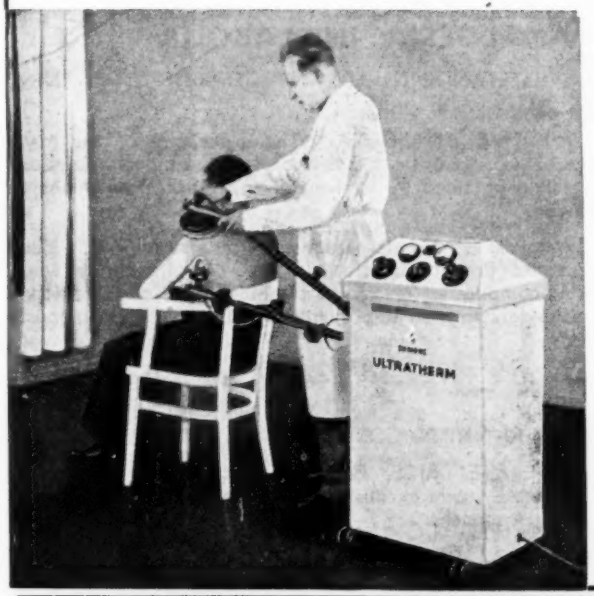


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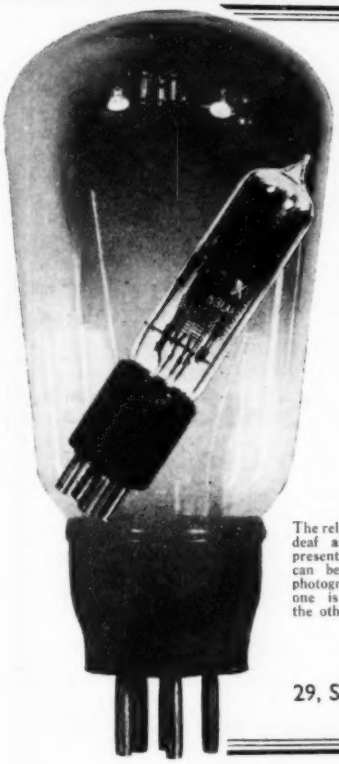

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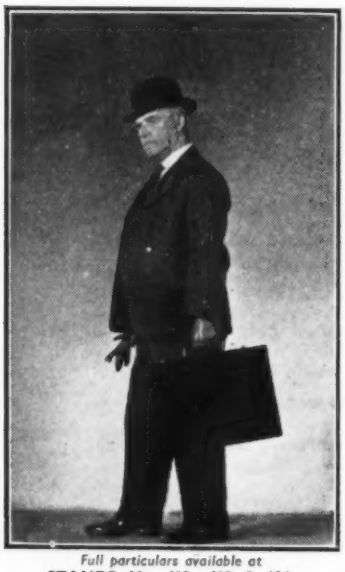

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TRADE **"FELLOWS"** MARK

**CONTAINS THE DEFICIENT MINERALS!**

**Samples on request**

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# STIMULATION OF THE PARASYMPATHETIC

**with**

# 'DORYL' Merck

(carbaminoylcholine chloride)

In addition to its value in post-operative retention of urine (*The Lancet*, Jan. 30th, pp. 261–264, and Oct. 9th, pp. 850–851), DORYL has also been used with success in nervous anxiety cases due to sympathetic over-activity (*The Journal of Mental Science*, Nov., 1936, pp. 785–790), "irritable" hearts and tachycardias. In these indications oral medication is facilitated by the great stability of DORYL.

Tablets of 0.002 gm. in 20's and 50's.
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*Samples and Literature from:*
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**The Most Simple Test and Treatment for :—**

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**ONE TEST** Covers 50% of all ASTHMATICS

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**Horse Dander—House Dusts and Moulds—Rabbit Fur—Cat and Dog Hair—Feathers—and Orris Root (face powder, etc.)**

Subsequent TREATMENT = AIR-BORNE-DUST-PROTEINS in 2 Courses (Weak and Strong) each of 12—1 c.c. ampoules graduated in dosage—Ready for immediate use.

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| Test Sets as above for 12 Patients | 7/6 |
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| Weak Course - - - - | 18/- |
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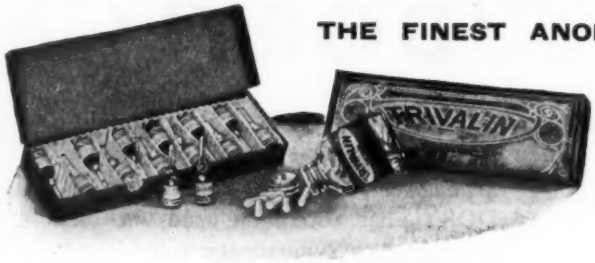
**THE FINEST ANODYNE**

*In ampoules for injection, capsules and Tablets*

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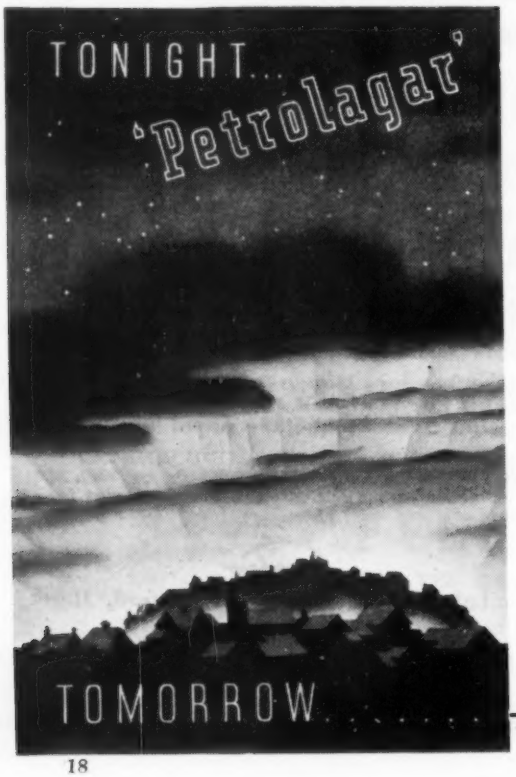
*New Zealand Agents:* THE DENTAL & MEDICAL SUPPLY CO., Ltd., 128, Wakefield Street, Wellington.






# HABIT TIME

'Petrolagar' taken regularly at night time before retiring will ensure a comfortable normal motion in the morning.

'Petrolagar' brand paraffin emulsion assists in establishing a regular daily motion by softening and expanding the fæcal mass. It contains no irritating cathartic drug and is not habit forming.

To meet the requirements of varying cases 'Petrolagar' is issued in four varieties:—No. 1 Plain, No. 2 With Phenolphthalein, No. 3 Alkaline, No. 4 With Cascara.

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FOR ALL AGES AT ALL SEASONS

# KASENA

THE VEGETABLE LAXATIVE

KASENA is a very pleasant and non-griping aperient prepared by a special process from matured Cascara Bark and selected Senna Leaves. Both are well known and very reliable aperients and Kasena offers the Physician a trustworthy means of prescribing them when their use is indicated.

KASENA retains the full activity of its constituents and is specially suitable for elderly and delicate persons and for children.

It is invaluable in habitual constipation.

KASENA is supplied in bottles at 1/9, 3/- and 5/6. Postage 6d. extra.

*Prepared by* **SQUIRE & SONS, Ltd.,** *Chemists on the establishment of the King*

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# Oral Vaccine for the prevention of Colds and Influenza

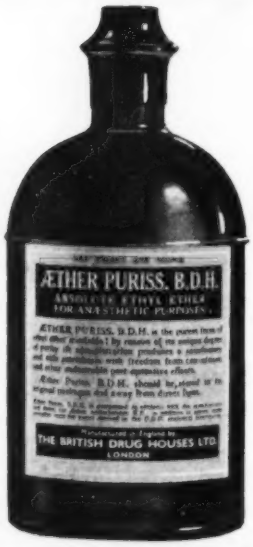
Since Genora brand Oral Vaccine was introduced to the Medical Profession last Winter, extensive clinical and laboratory tests have shown that it establishes a high degree of immunity against colds and influenza ; the oral vaccine has also proved successful in the treatment of chronic bronchitis and similar respiratory infections.

This vaccine contains hæmolytic streptococci, in addition to other organisms incriminated in the causation of coryza and influenzal infections. It has been found that the ingestion of the oral vaccine against colds and influenza also develops immunity to diseases caused by hæmolytic streptococci.

Particulars concerning Genora brand Oral Vaccine will be found in the new brochure on Vaccine Therapy which has recently been published by Genatosan Ltd. This booklet also gives information regarding a wide range of vaccines administered by hypodermic injection and the standard types of Local Immunity Products. A copy of the brochure will gladly be supplied to any physician on request.

# GENATOSAN LIMITED

VACCINE DEPARTMENT, LOUGHBOROUGH, LEICS.




ÆTHER PURISS.
B.D.H.

*For Safe Anæsthesia*
*even in*
*the most difficult cases*

THE BRITISH DRUG HOUSES LTD.
LONDON N.1

AP/S/38

# ALASIL

## Safe Salicylate Therapy

THE popularity of acetyl-salicylic acid is undoubtedly due to the fact that it is one of the safest and most effective non-narcotic analgesics available. Too often, however, its use has been discarded by the physician on account of its tendency to irritate the stomach and because entirely pure preparations are not always available.

"Alasil" provides the beneficial therapeutic effects of pure acetyl-salicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines calcium acetyl-salicylate—the least irritating salicylate compound—with "Alocol," a potent gastric sedative and antacid.

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*A supply for clinical trial with full descriptive literature sent free on request:*

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M267

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**IS PROMPTLY RELIEVED**

by injections of

**EVATMINE** (B.O.C.)

*(Prepared in France)*

A scientific combination of adrenalin and pituitary ext.

*Supplied in boxes of 6 or 12 1 c.c. ampoules for hypodermic injection*

THIS PREPARATION is also successfully employed in:—PERSISTENT COUGH, CROUP and other spasmodic affections, URTICARIA, ANGIO-NEUROTIC ŒDEMA, CHILBLAINS, COLLAPSE and SHOCK.

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## AS A RESTORATIVE FOOD

**'PANOPEPTON'** is sustaining, palatable and acceptable to the most delicate stomach.

*Supplied in 12-oz. bottles.*

# 'Zymine' Peptonising Tubes

**FOR THE PREPARATION OF PEPTONISED MILK AND OTHER PREDIGESTED FOOD FOR THE SICK**

Peptonised Milk prepared with 'Zymine' Peptonising Tubes is a perfectly digestible and absorbable food. Its use precludes all accumulation of unassimilable matter in the intestinal tract.

*Supplied in boxes containing 6 and 12 tubes.*

Originated and Manufactured by—

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*THE ORIGINAL BRAND OF SYNTHETIC HYDRATED MAGNESIUM TRISILICATE*

*FOR* **CORRECT CONTROL OF ACIDITY**

*BY* **SUSTAINED NEUTRALISATION**

*AND* **AUTO-REGULATION**

*(ANTACID VIGOUR ADJUSTS ITSELF TO THE DEGREE OF HYPERACIDITY)*

*INDICATIONS:* **GASTRIC AND DUODENAL ULCER, HYPERCHLORHYDRIA, ACID FERMENTATION**

*MAGSORBENT DOES NOT INDUCE TOXIC ALKALOSIS*

Supplied in Tablets and Powder

*Samples and Literature are obtainable from the Sole Manufacturers:*

**KAYLENE LTD., WATERLOO ROAD, LONDON, N.W.2**

MINERALS *PLUS* VITAMINS A & D

*Syrup Minadex contains iron, calcium, phosphorus, potassium, sodium, manganese, copper, together with vitamins A and D (18,000 and 3,000 international units per fluid ounce respectively).*

*Prices (except I.F.S.)* **6-oz. bottles, 2/6; 12-oz., 4/6.**
*Subject to usual professional discount.*

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In febrile illnesses and "run-down" conditions the final chapter of the case history can be shortened by Syrup Minadex. This modern reconstructive tonic has been carefully designed to supply the reserve elements that illness may have deleted from the patient's system.

Minadex provides minerals . . . iron to regenerate the blood, calcium and phosphorus to restore neuro-muscular tone. Vitamins A and D are included to bring back resistance and to promote well-being. Syrup Minadex can be prescribed with confidence and perfect safety for children and adults alike. Its unusually attractive flavour appeals to children especially.

PRODUCT OF THE GLAXO LABORATORIES

*Syrup*
# MINADEX
***The Reconstructive Tonic***

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

# ANAHÆMIN B.D.H.

*In the treatment of pernicious anæmia*

The first injection of Anahæmin B.D.H. in a case of pernicious anæmia brings about in a few hours a remarkable reticulocyte response, whilst subsequent injections at extending intervals result, as evidenced by the accompanying report, in an early return to normality:—

'. . . I have had a striking case of success with Anahæmin B.D.H. I attended a woman showing every symptom of genuine pernicious anæmia. Red blood count 536,000, and extreme debility. It was impossible to provoke the slightest sign of blood in the hand or leg. Initial injection 3 c.c., followed by 1 c.c. two days later, and 1 c.c. five days later. In 10 days the woman was moving about the house freely and eating well, hands and legs a natural flesh colour.'

Anahæmin B.D.H. is available in 1 c.c. and 2 c.c. ampoules, also in rubber-capped vials of 30 c.c.

*Sample on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

An/S/32

# Otalgan

Otitis media, Otalgia

For the conservative treatment of Otitis Media, Inflammation of the Tympanum and Tympanic Membrane, and complications of the ear arising from coryza, Influenza and other infectious diseases.

**Bottles of - - 6 cc. and 10 cc.**

N.B.—The Name **OTALGAN** **has NEVER BEEN CHANGED**

# Tyronorman

a Thyroid-inhibitory Substance **free from iodine, accordingly innocuous,** effective by oral administration, without addition of any medicinal agent, for conservative treatment of **Graves' Disease, Thyreotoxicoses,** disturbances of milk secretion of thyreogenic origin, iodine-free pre- and post-operative treatment in Graves' disease.

**Accurately standardised:** 1 tablet = 10 antithyroid units.

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# 'Sedormid'

Sedative Tablets. Suitable for children as well as adults. Odourless and tasteless; economical in use.

In packings of 20, 100 and 200 tablets.

'Sedormid' Tablets contain no aspirin, bromides, barbiturates or alkaloids.

**MADE IN ENGLAND BY**
**ROCHE PRODUCTS LTD. LONDON, N.13**

# In the Non-surgical Treatment of HÆMORRHOIDS

—no agent has proved more consistently beneficial than Anusol brand Hæmorrhoidal Suppositories. They embody a scientific formula from which opiates and local anæsthetics are excluded. Hence the relief they afford is real and they can be safely employed under any conditions. In incipient cases the improvement is progressive to a marked degree.

A trial of Anusol Suppositories in any case of hæmorrhoids you may have under treatment will demonstrate their efficacy in relieving pain, bleeding and congestion.

A TRIAL SUPPLY ON REQUEST.

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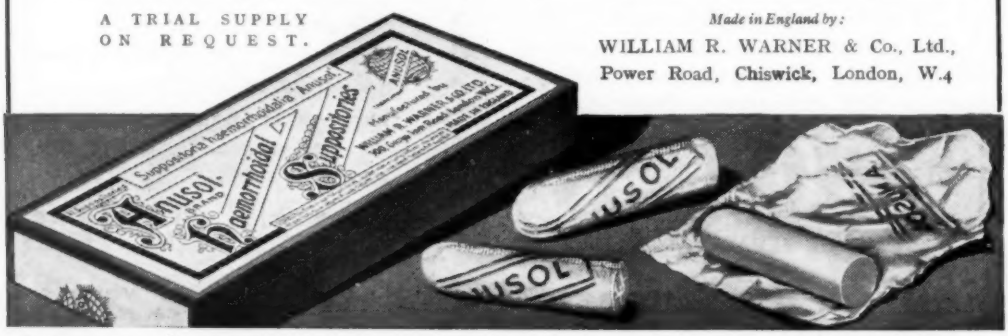

# 'OVALTINE'

## In Wasting Diseases

To replace the tissue wastage and decrease in energy associated with wasting diseases, is a problem often rendered more difficult by the fact that there is frequently an associated anorexia and enfeeblement of the digestive and assimilative processes.

'Ovaltine' has proved to be the ideal stand-by in many such cases, because it is an energizing and reconstructive nutrient, complete in all the essential food elements. It is almost invariably well-tolerated even by disordered stomachs and is practically completely absorbed into the blood-stream.

The unique dietetic value of 'Ovaltine is derived from its content of fresh food substances—full-cream milk, new-laid eggs and malt extract. Noteworthy features are its high percentage of maltose and its entire freedom from cane sugar, starch or other undesirable constituents.

*A liberal supply for clinical trial sent free on request.*

A. WANDER LTD., 184, Queen's Gate, London, S.W.7

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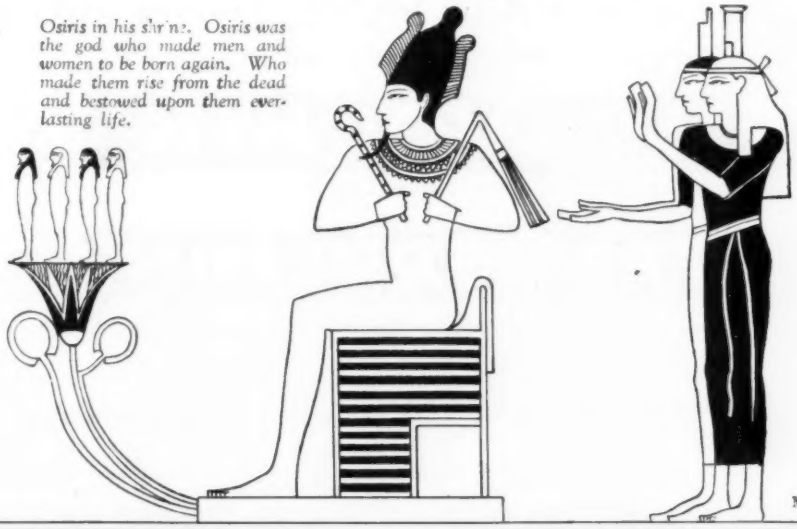
*Osiris in his shrine. Osiris was the god who made men and women to be born again. Who made them rise from the dead and bestowed upon them everlasting life.*



M 284

"To my patients probably the most appreciated drug which we have come to use frequently in the last two years is ergotamine tartrate which in most cases will bring prompt relief to sufferers from migraine."

Professor W. C. Alvarez (Mayo Clinic), Clin. Med. and Surg., Jan., 1937.

# MIGRAINE

Clinical experience of recent years has provided ample proof of the fact that no other drug has given results so uniformly successful as FEMERGIN (ergotamine tartrate) in the treatment of migraine. Even patients who have long been subject to migraine attacks have in the majority of cases obtained almost miraculous relief following the administration of FEMERGIN.

The dosage should be varied to find the smallest amount that will be effective, but generally 0·25 to 0·5 c.c. by hypodermic injection will suffice to abort or cut short an attack. In mild cases satisfactory relief may be obtained from oral administration.

*Further particulars from—*

J. FLINT **SANDOZ PRODUCTS**

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# PNEUMONIAS

## ★DEATH RATE MORE THAN HALVED

*by intramuscular injections of*

**'SOLVOCHIN'** TRADE MARK BRAND — 25% AQUEOUS QUININE SOLUTION

*and*

**'TRANSPULMIN'** TRADE MARK BRAND — QUININE-CAMPHOR-VOLATILE OILS

★ *Such are the findings of Cahn-Bronner—"Medical World"* xxviii, *No.* 25, 1928.

*Samples and Literature on request from*

**HOMBURG PHARMA LTD., Africa House, Kingsway, London, W.C.2**

TRADE MARK Homburg

*Distributors:*

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# Convalescence

In convalescence a tonic is required that will co-operate with, and augment, the natural recuperative powers of the body, rather than one which will have only an immediate stimulating effect. In the latter case there is always the danger of disappointment, due to an artificial improvement that the natural powers are unable to stabilise.

Medical evidence extending over many years has established the value of Sanatogen in promoting convalescence. In "The Elements of Pharmacy, Materia Medica and Therapeutics", Sir William Whitla writes:—

> "... *The interesting and valuable researches conducted by Tunnicliffe and Beddoes upon metabolism, in which Sanatogen was experimented with, establish the fact that its organic phosphorus is almost entirely assimilated when the food is administered in the amount necessary for the needs of the body. When given in addition to other food, the amount of nitrogen and phosphorus retained in the organism is increased; the tissue metabolism is more complete, the constituents of the ordinary food being more thoroughly utilised; appetite is increased and the body weight augmented.*"

Similarly gratifying observations are constantly being notified, and, as Sanatogen is entirely free from fats, sugars and carbohydrates, it can safely be prescribed in all types of cases. It is rapidly and easily digested and assimilated, even in cases exhibiting severe gastric inflammation, and for this reason it is a valuable addition to enemata. It can be added to any non-acid beverage or food, and, consequently, monotony in its administration can always be avoided.

# SANATOGEN

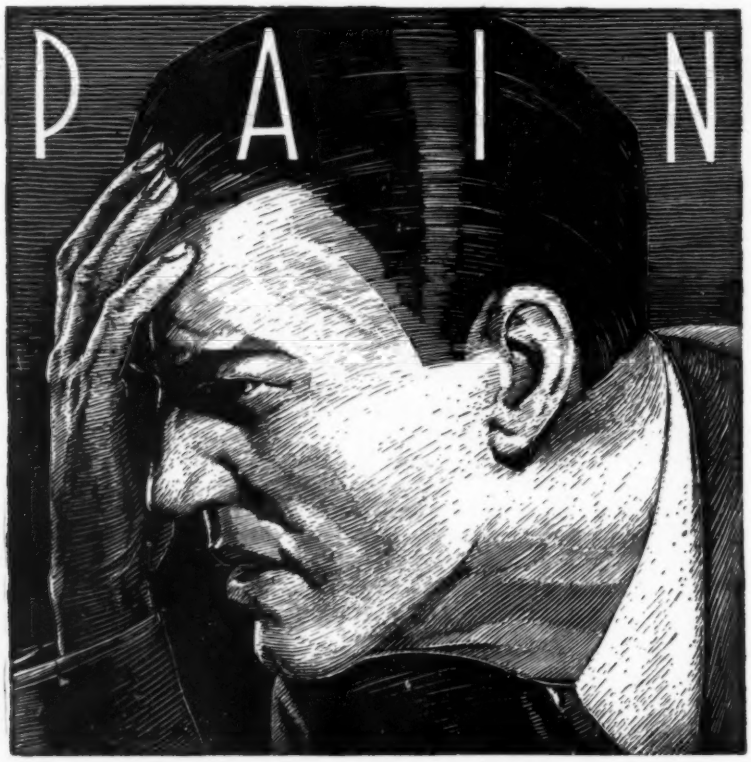
**A CHEMICAL COMBINATION OF 95% MILK CASEIN AND 5% SODIUM GLYCEROPHOSPHATE**

*Clinical samples and literature available on request to*

**GENATOSAN LTD., LOUGHBOROUGH, LEICESTERSHIRE.**

**DOSAGE:** For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants, ½ teaspoonful added to each bottle feed.

*Sold by all chemists price 2/3 to 19/9*




# HEADACHE IS DISABLING

Headache may be as disabling as a grave illness. In migraine particularly, the headache is of all degrees of intensity, at times so severe as completely to incapacitate the sufferer. It is noteworthy how quickly the patient can obtain relief with Veganin. Composed of minimum doses of acetylsalicylic acid, phenacetin and codeine, Veganin affords striking proof of the superior analgesic potency of this synergistic alliance over that of its components administered separately. Recurrent painful conditions, such as migraine and dysmenorrhœa, yield with impressive promptness to the efficacy of Veganin.

**VEGANIN Brand Tablets are supplied to the public in tubes of 10 and 20; containers of 100, 500 and 1,000 for the Medical Profession only.**

*A supply for clinical trial sent on request to Members of the Medical Profession.*

**WILLIAM R. WARNER & CO. LTD., POWER ROAD, CHISWICK, LONDON, W.4.**

**VEGANIN BRAND TABLETS**

Made in England

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CLASSICAL ETHICAL PRODUCTS

FERRO-HEPAMULT

Active Liver Principles
with active Iron
Standardized
Palatable
Economical

*A British made "NORGINE" Product*

# Arsenical Preparations in the TREATMENT OF SYPHILIS

## NOVOSTAB

TRADE MARK. BRAND.

### NEOARSPHENAMINE B.P.

Novostab possesses high therapeutic activity combined with low toxicity. It may be administered either in aqueous solution or dissolved in Thiostab (sterile sodium thiosulphate solution).

**Approved by the Ministry of Health for use in Public Institutions.**

## STABILARSAN

TRADE MARK. BRAND

### ARSPHENAMINE DIGLUCOSIDE

A stable compound of arsphenamine and glucose supplied in solution ready for use.

**Approved by the Ministry of Health for use in Public Institutions.**

## SULPHOSTAB

TRADE MARK. BRAND.

### SULPHARSPHENAMINE B.P.

The Arsphenamine compound recommended for deep subcutaneous or intramuscular injection. Particularly suitable for Congenital Syphilis.

**Approved by the Ministry of Health for use in Public Institutions.**

*Literature sent on request*

WHOLESALE AND EXPORT DEPARTMENT

## BOOTS PURE DRUG CO. LTD

NOTTINGHAM ENGLAND

*Telephone:* Nottingham.45501. *Telegrams:* Drug. Nottingham

**VISIT STAND No. 37 at the LONDON MEDICAL EXHIBITION—OCT. 18th-22nd**

# The CONSTIPATED CHILD

Agarol simplifies the treatment of constipation by making it pleasant; children not only take Agarol with the greatest of ease but actually enjoy it.

This palatable emulsion of mineral oil and agar-agar with phenolphthalein is the ideal treatment for constipation in children. It is gentle in action and furnishes the natural stimulus to a comfortable and normal peristalsis. Its capacity for lubricating the bowel, softening the faecal mass and easing its passage to the rectum and final expulsion, is unsurpassed.

Further advantages of Agarol are that it is not habit-forming and, by mixing freely with the intestinal contents, it makes the occurrence of seepage extremely improbable.

# AGAROL

BRAND COMPOUND

Agarol is not advertised to the public. Supplied in 4½ oz., 7½ oz. and 17 oz. bottles.

*Trial supplies to members of the Medical Profession on request.*

WILLIAM R. WARNER & CO. LTD., POWER ROAD, CHISWICK, LONDON, W.4.

# A NEW THERAPY

*for all Biliary and Hepatic Diseases*

# CURCUNAT

Curcumin-sodium 0·1 gramme
Calcium cholate 0·1 gramme

(DRAGEES)

Packed in Boxes of 30 Dragees

antiphlogistic disinfectant
—increases bile secretion—

A TEMMLER PRODUCT

# BROMIDE

administration without by-effects made possible through

# Brosedan

*Temmler*

BROSEDAN is a fluid brom-yeast preparation, possessing an agreeable flavour and a high proportion of the YEAST VITAMINS. Thanks to the yeast-component BROSEDAN does not give rise to bromide-acne.
BROSEDAN does not contain any animal substances.

*Samples and literature will be sent free on request to*
MESSRS. COATES & COOPER LTD.,
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A TEMMLER PRODUCT

TAXOL

*Formula*

| | |
|---|---|
| Intestinal glands - - | 0.05 grms. |
| Biliary extract - - | 0.10 ,, |
| Lactic ferments - - | 0.05 ,, |
| Agar-agar - - - - | 0.05 ,, |
| Fiat tablet - - - - | 0.35 ,, |

Initial Daily Dose
Two Tablets

*Laxatives*, it is well known nowadays, must have two essential characteristics.

1. They must be biological, i.e., they must accord with and imitate in their action the natural physiological processes of the intestine.
2. They must be capable of educating the intestine, so that the habit of a laxative is not formed and the intestine can function unaided when bowel adjustment is attained.

*Taxol* has both these advantages.

*Taxol* has not the violent irritant action of many laxatives and purgatives, but stimulates the intestine by processes which resemble those of nature. The intestinal gland which is an important part of its composition acts on the intestine by reinforcing the deficient function which has culminated in constipation. This stimulating action is gentle, and does not force the weakened intestine to efforts beyond its power, which would culminate in aggravation of the constipation.

*Taxol* is not habit-forming. It re-educates the intestine to resumption of normal function unaided, thanks to the biological nature of its action. It contains no irritant drug of violent and artificial action to which the intestine can become accustomed. On the contrary, many stubborn cases of constipation, after a course of TAXOL, revert to normal and regular peristalsis.

CONTINENTAL LABORATORIES LTD. 30 MARSHAM STREET, LONDON, S.W.1

# Cod Liver Oil

## *is the Liver Oil with the*

## OFFICIAL BACKING OF THE MINISTRY OF HEALTH AND LEAGUE OF NATIONS NUTRITION COMMITTEE

As every practitioner knows, no other liver oil has such a record of achievement as Cod Liver Oil. For it contains Vitamins A and D in the right proportion. In fact, the study of vitamins originated through Cod Liver Oil. Its only drawback in the past has been its taste. Now this difficulty has been overcome. "SevenSeaS" provides, *for the first time,* Cod Liver Oil in a palatable form—so palatable that it can be taken with ordinary foods, and it is available in "High Potency" form, too.

"SevenSeaS" is obtainable in three forms: (1) "High Potency" Oil—four times "B.P." standard; (2) "High Potency" Capsules containing 5 mm. dose of "High Potency" Oil; (3) Standard "B.P." Oil. We would like all practitioners to prove "SevenSeaS" "High Potency" Cod Liver Oil to their own satisfaction. Please send to the address below for a free sample.

**HIGH POTENCY OIL** - - - - **1/3** *bottle*
(*you only need 5 drops*)
**HIGH POTENCY CAPSULES**
(25 *capsules*) - **1/6** *bottle*
(50 *capsules*) - **2/9** *bottle*
(100 *capsules*) - **5/-** *bottle*
**"B.P." STANDARD OIL 10d.** & **1/3** *bottle*

*From all chemists, including Boots, Timothy Whites & Taylors, etc., etc.*

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD., ST. ANDREW'S DOCK, HULL, ENGLAND.

# STREPTOCIDE

(p–*aminobenzenesulphonamide Evans*)

**For oral administration**

The therapeutic indications include :

## Acute puerperal sepsis, erysipelas, tonsillitis and the sequelæ of these conditions

Streptocide minimises the risk of septicæmia in Cæsarean section and abortion and prevents such complications as otitis media, mastoiditis, arthritis and endocarditis (when attributable to hæmolytic streptococci), in scarlet fever, tonsillitis, rheumatic fever and measles.

Reports have also been received of its successful use in Meningococcal Infections and Infections of the Urinary Tract

*The dose in moderately severe cases is one gramme three times daily. After clinical improvement has been maintained for two days, 0.5 gramme three times daily for three or four days, usually completes the treatment.*

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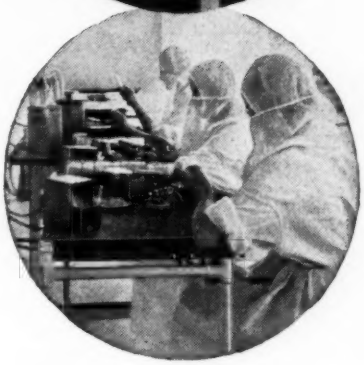

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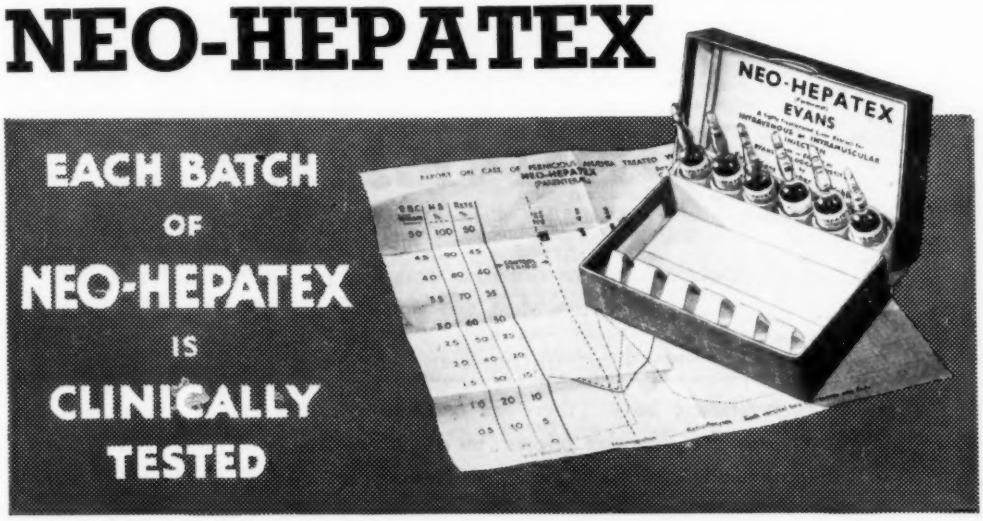


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[1] *British Medical Journal*, 1935, November 16th, p. 938.

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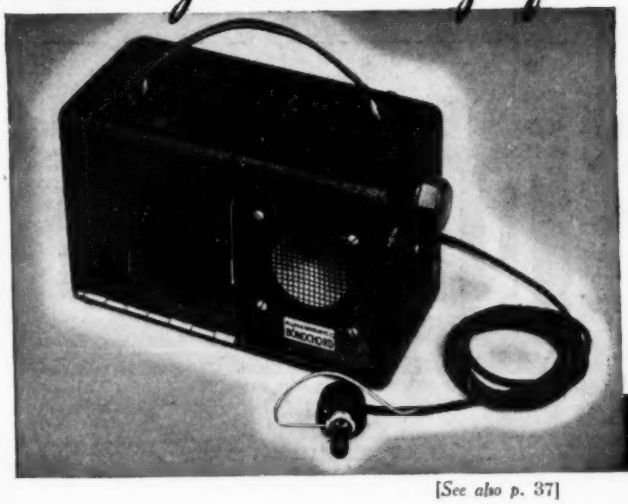


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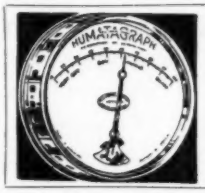


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A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

# THE ROYAL EARLSWOOD INSTITUTION FOR MENTAL DEFECTIVES

Patron: H.M. THE KING.

REDHILL, SURREY. *(Formerly the EARLSWOOD ASYLUM)*

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Telephone: Redhill 344. Telephone: City 4697.

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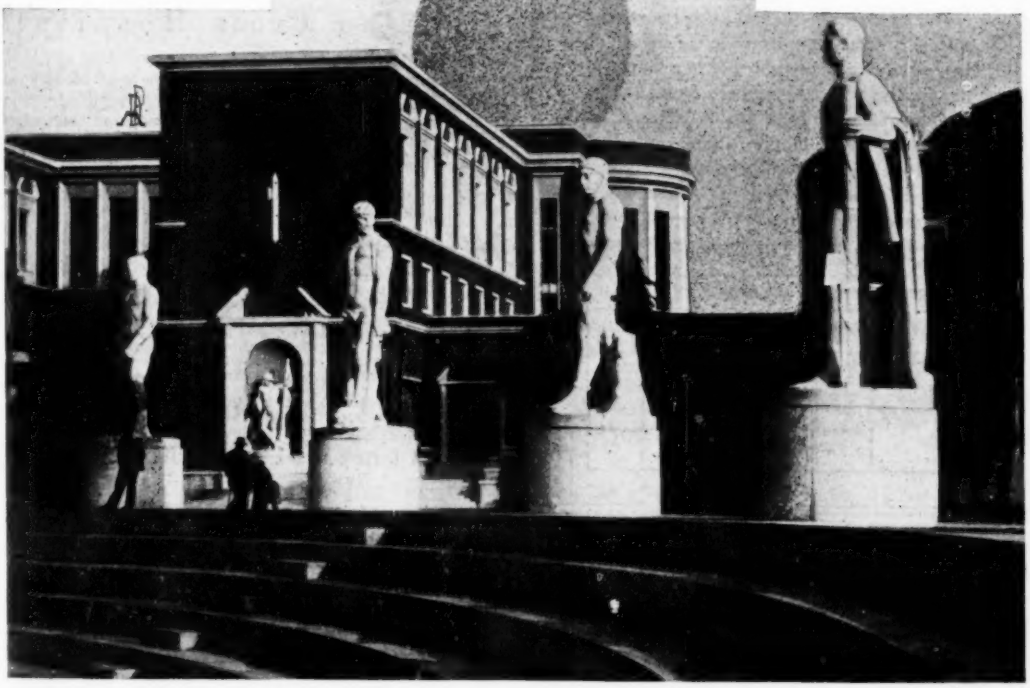
or ANY TRAVEL AGENCY



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*Resident Physicians:* G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C M.(Edin.). **TERMS, 12s. to 18s. per day, inclusive of board.**
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or SOCIÉTÉ DES EAUX THERMALES DAX (FRANCE)

**SOME FACTS ABOUT THE CLIMATE OF NASSAU** *(Bahamas)*

"The most serene and temperate air . . . the heat of the sun being greatly allayed by refreshing breezes . . . the earth and the air are cooled by constant dews which fall at proper seasons," wrote Peter Bruce in the middle of the eighteenth century. For the last two hundred years Nassau has been recognised as a health resort. Life in Nassau moves at an easy pace. Beaches invite bathing and relaxing. Hotels are very modern and luxurious. Trained nurses are available. There are opportunities for practically every type of sport.

*The Bahamas Development Board, 211 Piccadilly, London, W.1., will be glad to supply further information.*

**AVERAGE WINTER WEATHER AT NASSAU**

| MONTHS | TEMPERATURE MEANS | | Average Daily Rainfall | CONDITION OF WEATHER No. OF DAYS | |
|---|---|---|---|---|---|
| | Max. | Min. | | Sunny | Cloudy |
| November | 79.0 | 70.5 | .09 | 27 | 3 |
| December | 75.6 | 67.0 | .10 | 29 | 2 |
| January | 75.4 | 66.7 | .10 | 27 | 4 |
| February | 76.0 | 66.8 | .03 | 26 | 2 |
| March | 78.2 | 69.2 | .07 | 30 | 1 |
| April | 77.1 | 69.8 | .05 | 28 | 2 |

**Mount Vernon Hospital (for Cancer),**
NORTHWOOD.

A HOUSE SURGEON (Resident) will shortly be required. Application, with copies of three testimonials, should be addressed to the undersigned on or before the 30th instant.
W. J. MORTON, Offices: 32, Fitzroy-square, W.1.

**St. Mary's Hospital, W.2.**

CASUALTY HOUSE SURGEON.

Applications are invited for the above post from duly qualified candidates.

Candidates must have been House Surgeons for a full period of office to this Hospital or to some other General Hospital approved by the Board.

The salary is £100 per annum, with board and residence, and the appointment is for six months.

Applications, with copies of testimonials not exceeding three in number, should reach the undersigned (from whom particulars may be obtained) on or before Thursday, 21st October.
W. PARKES, House Governor.

**Charing Cross Hospital.**

MEDICAL REGISTRAR.

The Council invites applications for the post of Medical Registrar. Candidates must be registered Practitioners (Male) Honorarium £150 per annum.

A copy of the Regulations can be obtained from the undersigned to whom applications, together with copies of three recent testimonials, must be submitted not later than the first post on Monday, the 18th October, 1937.
GEORGE J. JONES, Secretary.
Charing Cross Hospital, Strand, W.C.2,
5th October, 1937.

**Bethlem Hospital, Monk's Orchard,**
Eden Park, Beckenham, Kent.

Wanted, ONE RESIDENT HOUSE PHYSICIAN (Gentleman, unmarried), recently qualified in Medicine and Surgery.

The term of residence is for six months from November 1st, apartments, complete board, and laundry being provided, and an honorarium at the rate of £150 per annum, will be paid for the first three months, rising if commendable service be given to the rate of £200 per annum for the second period of three months.

Written applications, with testimonials, are to be forwarded to the Physician-Superintendent at the Hospital, from whom copies of the duties can be obtained.

**Westminster Hospital,**
Broad Sanctuary, S.W.1.

Applications are invited for the office of ASSISTANT OPHTHALMIC SURGEON to this Hospital.

Gentlemen desirous of becoming candidates must be Fellows of the Royal College of Surgeons of England.

Each candidate is required to transmit a certificate of his age and thirty copies of his application, with thirty copies each of three testimonials, to the undersigned not later than Monday, 8th November, 1937, and to attend the House Committee on **Tuesday, 9th November, 1937, at 4.15 P.M.**
By order of the House Committee.
CHARLES M. POWER, Secretary.

# ROYAL AIR FORCE MEDICAL SERVICE

Applications are invited from Medical Men for appointment to COMMISSIONS in the MEDICAL BRANCH of the ROYAL AIR FORCE for entry in January, 1938.

Candidates must be of pure European descent. They must be British Subjects, the sons of British Subjects and registered under the Medical Acts.

Candidates must be under *31 years of age* on the 3rd January, 1938, and will be selected after interview by a selection board without competitive examination.

Hospital appointments held since qualifying will, under certain conditions, qualify candidates for antedate of commission up to a maximum of one year; the age on entry may, if necessary, be increased by a period equal to the "antedate."

Selected candidates will be appointed to short service commissions (for 3 years extendible to 5 years) followed by 4 years service in the Reserve, and will be eligible to be considered for Permanent Commissions during their second or third year of service. Officers not selected for permanent commissions receive gratuity as follows, on transferring to the Reserve :—

| | |
|---|---|
| On completion of 3 years .. .. .. .. .. .. | £400 |
| " " " 5 " .. .. .. .. .. .. | £1,000 |

Copies of the regulations for entry and conditions of service, including rates of pay and allowances, also form of application, may be obtained on application from :—

The Secretary, Air Ministry (D.M.S.),
Adastral House, Kingsway, W.C.2.

Completed applications from intending candidates for the vacancies in January, 1938, must be received in the Air Ministry not later than the 15th of November, 1937.

# ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in January, 1938.

Candidates below the age of 28 years are preferred and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance, which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 22nd November, 1937.

# HIS MAJESTY'S COLONIAL SERVICE

## COLONIAL MEDICAL SERVICE

It is anticipated that not less than **10** vacancies for **MEDICAL OFFICERS** will occur before the end of 1937. The majority of these will occur in **TROPICAL AFRICA** and in **MALAYA.**

### QUALIFICATIONS.

Candidates must be British subjects of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose, and throat, venereal diseases, &c.

### SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

### PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

### QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of an officer's salary.

### PASSAGES.

Free first-class passages are provided on first appointment and when returning from leave. Assistance is also given towards family passages.

### TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

### COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

### DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W.1.

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## Dreadnought Hospital,

Greenwich, S.E.10 (Seamen's Hospital Society).

Applications are invited for the non-resident post of RECEIVING ROOM OFFICER (Male), for six months from the 18th October. Salary £200 per annum, with lunch and tea. Hours of attendance: week-days 9 A.M. to 5 P.M., Saturdays 9 A.M. to 12 noon.

Applications, stating age, nationality, and experience of previous House appointments, accompanied by copies of testimonials, to be sent in immediately to the undersigned.

2nd October, 1937. F. A. LYON, Secretary.

## The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st November, 1937, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Wednesday morning, October 20th, to the Secretary at the above address, from whom further particulars can be obtained.

## British Postgraduate Medical School.

APPOINTMENT OF SUB-DEAN.

The Governors invite applications from registered Medical Practitioners for the post of Sub-Dean of the School.

Salary £1250 per annum, rising by annual increments of £50 to £1500 per annum.

Applications must be received not later than the first post on 30th October, 1937, by the Chairman of the Governing Body, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, from whom further particulars of the duties, &c., may be obtained.

## The National Temperance Hospital,

Hampstead-road, N.W.1.

Applications are invited for the following post—HOUSE PHYSICIAN (Male). Salary £100 per annum. Board, residence, and laundry allowance being provided.

The appointment is for a period of six months, as from November 1st. Preference will be given to those who have held resident posts. Candidates must submit applications stating qualifications, age, &c., with copies of not more than three testimonials, by Wednesday, 20th October, addressed to the Secretary.

## East Ham Memorial Hospital,

Shrewsbury-road, E.7.
(100 Beds.)

Applications are invited for the post of PHYSICIAN in charge of the Skin Department. Candidates must hold a University Degree in Medicine and Surgery, and be Fellows or Members of the Royal College of Physicians of London and engaged solely in dermatological practice.

Applications, stating full particulars, together with copies of three testimonials, should reach the undersigned on or before the 21st October.

Candidates will be expected to send copies of their application and testimonials to, and call upon, Members of the Honorary Medical Staff.

REGINALD PERRY, Secretary.

## British Red Cross Society.

CLINIC FOR RHEUMATISM.
Peto-place, Marylebone-road, N.W.1.

The British Red Cross Society invite applications for the appointment to the Clinic for Rheumatism, Peto-place, Marylebone-road, N.W.1, of an HONORARY GYNÆCOLOGIST.

Applications should be sent in not later than October 25th, addressed to :—

The Secretary of the Medical Board,
Clinic for Rheumatism,
British Red Cross Society,
14, Grosvenor-crescent, London, S.W.1.

## Samaritan Free Hospital for Women,

Marylebone-road, N.W.1.

Applications are invited for the post of REGISTRAR for a period of twelve months, salary at the rate of £130 per annum.

Applications, stating age, accompanied by copies only of three testimonials, must reach the Secretary at the Hospital on or before Wednesday, Oct. 27th, 1937.

G. H. HAWKINS, Secretary.

## Samaritan Free Hospital for Women,

Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing on November 8th next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, accompanied by copies only of three testimonials, must reach the Secretary at the Hospital on or before Wednesday, noon, October 27th, 1937.

G. H. HAWKINS, Secretary.

## Woolwich and District War Memorial

HOSPITAL.
Shooters-hill, London, S.E.18.
(General Hospital. 112 Beds.)

The Board of Management invites applications from suitably qualified candidates for the post of HOUSE SURGEON for six months with effect from November 1st, 1937. Remuneration will be at the rate of £100 per annum, plus board, residence, and laundry.

The closing date for the receipt of applications (which should be made on the prescribed form obtainable from the undersigned) is Monday, October 18th, and short-listed candidates will be required to meet the Appointments Committee on Friday, October 22nd, 1937, at 4.45 P.M.

R. S. G. HUTCHINGS, Secretary.

## Borough of Southall.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH.

The Council invite applications for the above appointment from duly qualified and registered Medical Practitioners, who in addition to the qualification prescribed by any Statute are also registered in the Medical Register as holding a Diploma in Sanitary Science, Public Health or State Medicine.

The appointment will be subject to the provisions of the Local Government Act, 1933, the Sanitary Officers' (Outside London) Regulations 1935, and the approval of the Minister of Health.

The person appointed will be required to perform all the duties imposed on a Medical Officer of Health under relevant Acts and Orders, to act as Medical Officer to the Maternity and Child Welfare Centres, and Medical Superintendent of the Isolation Hospital so long as this continues to be maintained by the Council, and will also be required to carry out such other duties of a like nature as the Council may, with the consent of the Minister of Health (where necessary), from time to time direct.

The person appointed will be required to reside within the Borough, and to devote his whole time to the duties of the office. He will not be permitted to engage in private practice.

The inclusive salary attaching to the office will be £800 per annum, rising (subject to satisfactory service) by annual increments of £50 to a maximum salary of £1000 per annum, together with a car maintenance allowance of not less than £50 per annum.

All fees receivable in respect of any duties carried out by the Medical Officer of Health must be paid into the Council's accounts.

The Local Government and Other Officers' Superannuation Act, 1922, has been adopted, and the above-mentioned post designated for Superannuation purposes, and the successful candidate will be required to pass a medical examination by the Council's Medical Officer of Health, and to contribute to the Council's Superannuation Fund.

The person appointed will be required to give three months' notice to determine the appointment.

Applications, stating age, qualifications, and experience, accompanied by copies of three recent testimonials, must be delivered ot the undersigned not later than the 28th October, 1937.

The canvassing of any Member of the Council by or on behalf of any candidate for the above-mentioned appointment is prohibited, and will result in the disqualification of that candidate, and each candidate is required to state in his application whether or not he is related to any Member or Chief Officer of the Council.

W. STALEY BROOKES, Town Clerk.

Town Hall, Southall, 4th October, 1937.

## Royal Eye Hospital

MEDICAL SCHOOL,
St. George's-circus, S.E.1.

RESEARCH SCHOLARSHIP.

Applications are invited for the Royal Eye Hospital Research Scholarship tenable at the Hospital.

Preference will be given to candidates who propose to undertake research on a clinical subject.

The value of the Scholarship is £100 per annum.

Applications are to be received by November 13th, 1937. Further particulars can be obtained from the Dean.

## South London Hospital for Women,

Clapham Common, S.W.4.

Applications are invited from fully qualified Medical Women for the undermentioned appointment:—

SURGICAL REGISTRAR. Half-time duty for a period of one year, with eligibility for re-appointment to a maximum of three years. Honorarium of £75 per annum.

Candidates are requested to call on members of the Hon. Medical Staff, if possible before Thursday, October 21st, by which date applications and copies of testimonials should reach the Secretary at the Hospital.

## Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the following post:—

HOUSE PHYSICIAN. Vacant 1st December for a period of six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 29th October to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

## West London Hospital,

Hammersmith, W.6. (239 Beds.)

Applications are invited for the post of RESIDENT ASSISTANT SURGEON (Male).

The appointment is an open one. Salary at the rate of £200 per annum (plus £25 for services in connexion with the Venereal Diseases Department), with board, residence, and laundry allowance. Four weeks' holiday a year. The appointment is for one year from November 1st next, terminable by three months' notice on either side, and, subject to annual re-election, may be extended to not more than three years.

Candidates must be duly qualified, registered Medical Practitioners, unmarried, and should hold one of the higher surgical qualifications. As Senior Resident Officer the Resident Assistant Surgeon will be responsible for certain administrative duties.

Applications, with copies of testimonials, should reach me not later than first post on Saturday, October 16th, 1937. Candidates must attend a Meeting of the Medical Council on Friday, October 22nd, 1937, at 4.30 P.M., and, prior to that date, call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board, but, if so notified, must attend a Meeting of the Board of Management at 5 P.M. on Tuesday, 26th October, 1937, when the appointment will be made.

H. A. MADGE, Secretary.

## West London Hospital,

Hammersmith-road. (239 Beds.)

CHIEF ASSISTANT TO THE DEPARTMENT FOR TREATMENT OF INJURIES required. The post is a resident one and the duties commence on November 1st. Salary at the rate of £200 a year, with board, lodgings, and laundry allowance. Candidates must be duly qualified registered Medical Practitioners, and it is desirable they should possess one of the higher Surgical Degrees or Diplomas. They must have had special experience in the treatment of fractures.

The appointment, which is terminable by a month's notice on either side, will be for a period of six months in the first instance, but this period may be extended.

Applications, which must be made on printed forms obtained from me, must reach me not later than first post on Wednesday, October 27th. Candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at a Medical Council Meeting at 4.30 P.M. on Friday, October 29th, and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

## Hospital for Consumption and Diseases

OF THE CHEST,
Brompton, S.W.3.

The Committee of Management invite applications for the post of whole-time qualified ASSISTANT in the Department of Pathology. Duty qualified Women are eligible for appointment. Further particulars may be obtained at the Hospital. Salary £350 per annum.

Applications, with copies of testimonials, must reach the undersigned not later than October 19th. Candidates will be required to attend the meeting of the Medical Committee on Wednesday, October 20th, at 4.30 P.M.

F. G. ROUVRAY, Secretary.

Brompton, S.W.3, October, 1937.

## County Council of Middlesex.

PHYSICIAN.

Applications are invited from registered Medical Practitioners for the appointment on the pensionable staff of a Physician, Grade II, at WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH. The appointment is a senior one in the Council's general hospital service, and applicants are expected to be medical men or women of high qualifications and professional attainments, who have devoted their time wholly or chiefly to the practice of clinical medicine, and who possess special knowledge and experience in psychological medicine. The successful candidate will work under the direction of the Medical Superintendent of the Hospital, and the whole of his time must be given to his official duties. He must be prepared to undertake the teaching of post-graduate students, if required, and to carry out such other duties as the County Council may from time to time direct.

Salary £650 per annum, rising by annual increments of £50 to £900, and, after eight years' service, by two further annual increments of £50 to a maximum of £1000 per annum. The salary is inclusive, and any fees received by the officer appointed must be paid over to the County Council.

The appointment is non-resident, and the successful candidate will be required to reside within a short distance of the hospital. In the case of an unmarried officer, if accommodation is available, board, lodging, laundry, and service may be provided by the County Council, and in this event a deduction of £150 per annum will be made from the officer's salary.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council and is terminable by three months' notice on either side.

Applications, stating age, qualifications, and experience, together with *copies* of not more than three recent testimonials, must be received by the undersigned not later than 30th October. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Physician, West Middlesex County Hospital." Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3."
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 7th October, 1937.

## London County Council.

Required at OAK LODGE RESIDENTIAL SCHOOL FOR ELDER DEAF GIRLS, 103, Nightingale-lane, S.W.12 (accommodation thirty-eight resident, thirty-eight day), Part-time MEDICAL OFFICER (Man or Woman). Must be registered Medical Practitioner and reside within easy reach of the school. Salary £40 a year.

Forms from Education Officer (S.S.5), County Hall, S.E.1 (stamped addressed foolscap envelope necessary), to be returned by 28th October.

Canvassing disqualifies.

## London County Council.

PART-TIME MEDICAL OFFICER (Man or Woman) required at the MAUDSLEY HOSPITAL, Denmark Hill, S.E.5. Candidates must be under forty years of age and be registered to practise both in medicine and surgery in England. Salary £300 a year of forty-eight weeks, for five sessions (morning and evening) of three hours each week. Psycho-therapy in out-patients' department. No emoluments.

For application form, returnable by 27th October, send stamped addressed foolscap envelope to Chief Officer (B), Mental Hospitals Department, Shell-Mex House, Strand, W.C.2. Canvassing disqualifies. Married women eligible.

## The London Lock Hospital.

Applications are invited from both sexes for the appointment of SURGICAL REGISTRAR to the FEMALE LOCK HOSPITAL. Candidates must be Fellows (or Members) of the Royal College of Surgeons of England, or Surgical Graduates of a University of the United Kingdom. Preference will be given to candidates having previous obstetrical experience. The appointment is for one year in the first instance, commencing 8th November, with honorarium at the rate of £100 per annum.

Applications, with three copies (only) of testimonials, must be in the hands of the undersigned not later than Wednesday, 27th October, and from whom copies of the laws relating to the appointment may be obtained. J. F. MORTON, Secretary.

283, Harrow-road, W.9., 7th October, 1937.

## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A part-time SURGICAL REGISTRAR (Male) is required. Duties to commence on the 8th November, 1937. Salary at the rate of £200 per annum.

Candidates must be legally qualified to practise, and must have held a responsible resident appointment at a General Hospital.

The appointment is tenable for six months.

Applications must be received by noon on Monday, the 1st November, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 3rd November, 1937.

Further particulars and forms of application are obtainable from the undersigned.

October, 1937. HERBERT F. RUTHERFORD, Secretary.

## County Borough of Blackburn.

PUBLIC ASSISTANCE DEPARTMENT.

RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER.

Applications are invited from Medical Practitioners (Male) for the appointment of a Resident Junior Assistant Medical Officer at QUEEN'S PARK HOSPITAL AND INSTITUTION.

The Staff consists of a Resident Medical Officer, a Resident Assistant Medical Officer, a Consulting Surgeon, a Laboratory Assistant, and an X Ray Attendant.

There is a separate Infirmary, a separate Mental Block, and a separate Hospital for children, and there is opportunity for experience in all departments, including Medical, Surgical, and Midwifery cases. An X ray apparatus is installed.

The person appointed will be required to devote his whole time to the duties, and also to act as may be directed by the Resident Medical Officer.

The appointment will be limited to a term not exceeding one year.

Salary for the first six months at the rate of £150 per annum, and thereafter at the rate of £200 per annum, together with board, apartments, and attendance.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials, must be sent to the Public Assistance Officer, Public Assistance Offices, Cardwell-place, Blackburn.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, 12th October, 1937.

## Oldham Royal Infirmary.

HOUSE SURGEON required for a period of six months.

Salary at the rate of £175 per annum, with board, residence and laundry.

Applications, stating age, experience and qualifications, together with copies of three recent testimonials, must be forwarded to the undersigned not later than the 21st October, 1937.

H. J. CLOUT,
General Superintendent.



## M.R.C.P. COURSE

**A course in preparation for the January, 1938, Examination for Membership of the Royal College of Physicians of London will be held, commencing on Monday, October 25th, 1937.**

**The course will extend over ten weeks, and will comprise daily instruction including special lectures and demonstrations. Fee, Twenty Guineas.**

**Further particulars may be obtained from the DEAN, CHARING CROSS HOSPITAL MEDICAL SCHOOL, LONDON, W.C.2, to whom applications should be submitted.**

## The Beckett Hospital and Dispensary,

BARNSLEY.
(153 Beds. 4 Residents.)

Applications are invited for the post of JUNIOR HOUSE SURGEON (Male). General Surgical, Ear, Nose, and Throat, Gynæcology and Anæsthetics. Candidates must be fully qualified and registered.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, accompanied by testimonials, should be addressed to the undersigned immediately. ARTHUR L. BOURNE, Secretary-Superintendent.

## Royal Cornwall Infirmary, Truro.

Applications are invited for the post of HON. RADIOLOGIST to the Hospital. Applicants must hold a Diploma in Radiology, and possess ample experience in both Diagnosis and Therapy. The successful applicant will be required to engage solely in consultant Radiological practice.

Applications, together with copies of three testimonials, must reach the undersigned on or before Wednesday, October 20th. A strong candidate is already in the field.

Truro, 11th October, 1937. W. E. GRENFELL, Hon. Sec.

## Huddersfield Royal Infirmary.

(321 Beds.)

Male HOUSE SURGEON required to commence duty on 1st November, 1937.

Salary £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal at the discretion of the Board of Management.

The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, Gen. Supt. and Secretary.

## The Welsh National School of MEDICINE.

UNIVERSITY OF WALES.

Applications are invited for the Full-time post of ASSISTANT LECTURER in the DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY of The Welsh National School of Medicine, Cardiff, at a salary at the rate of £500 per annum.

Further particulars of the appointment may be obtained from the undersigned. S. C. EDWARDS, Secretary.

The Welsh National School of Medicine. The Parade, Cardiff, October, 1937.

## The Welsh National School of MEDICINE.

(UNIVERSITY OF WALES.)

ASSISTANT LECTURER IN THE DEPARTMENT OF MATERIA MEDICA AND PHARMACOLOGY.

Applications are invited for the Full-time post of Assistant Lecturer in the Department of Materia Medica and Pharmacology in The Welsh National School of Medicine, Cardiff, at a salary of £500 per annum.

Further particulars of the appointment may be obtained from the undersigned, by whom six copies of application, with the names of three referees, must be received not later than October 25th, 1937. S. C. EDWARDS, Secretary.

The Welsh National School of Medicine, The Parade, Cardiff, October, 1937.

## The Ipswich Sanatorium, Suffolk.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER. Salary £350 per annum with yearly increments of £25 to £450 together with quarters (not attached to the wards), board, laundry, and attendance, subject to 5 per cent. deduction for superannuation. The successful candidate will be required to furnish a medical certificate or submit to medical examination. Applicants must have held the post of H.P. or H.S. at a General Hospital and have practical knowledge of treatment by Artificial Pneumothorax and of Laboratory work connected with Pulmonary Tuberculosis. Preference will be given to applicants who have held the post of H.P. at a recognised chest Hospital or who have had Sanatorium experience.

Applications, stating age, experience, and nationality, together with two recent testimonials, should be sent to the undersigned not later than October 30th.

W. F. SUTCLIFFE, Medical Superintendent.

## David Lewis Northern Hospital,
LIVERPOOL.
(UNIVERSITY OF LIVERPOOL CLINICAL SCHOOL.)

The Committee invites applications for the post of MEDICAL REGISTRAR AND TUTOR.

The appointment, which is non-resident, will be for the period ending 30th September, 1938.

Applications, together with copies of testimonials, should be addressed immediately to the undersigned, from whom further particulars may be obtained.

THORNBURROW GIBSON, Secretary-Superintendent.

5th October, 1937.

## The Royal Infirmary, Sheffield.
(500 Beds.)

The Board of Management invite applications for the undermentioned posts :—

1. HOUSE PHYSICIAN.
2. HOUSE SURGEON.
3. OPHTHALMIC HOUSE SURGEON.
4. HOUSE SURGEON to the Ear, Nose, and Throat Department.

The salary attached to posts (1), (2), and (4) is £80 per annum, increasing after six months' service to £100 per annum, and to (3) £120 per annum, with board and residence in each case.

These appointments will be tenable for the period of six months, commencing on 1st November, 1937.

The Ophthalmic Department contains 69 Beds and an Out-patient Department which is open daily.

Applications, with copies of testimonials, to be sent to the General Superintendent and Secretary.

11th October, 1937.

## Doncaster Royal Infirmary and
DISPENSARY.
(185 Beds.)
(Recognised under the regulations for the D.O. and D.L.O.)

HOUSE SURGEON (Male) to Eye and Ear, Nose and Throat Departments required immediately.

Salary at the rate of £175 per annum, with board, residence, and laundry. Candidates willing to remain one year preferred.

Applications, accompanied by not more than three testimonials, to be sent to the undersigned.

R. LANCASTER, Secretary Superintendent.

## Manchester Royal Eye Hospital.

JUNIOR HOUSE SURGEON required. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management not later than 29th October, 1937.

H. R. NORTH, Gen. Supt. and Secretary.

## Lancashire Mental Hospitals Board.
BROCKHALL CERTIFIED INSTITUTION FOR MENTAL DEFECTIVES, LANGHO, NEAR BLACKBURN.

Applications are invited for the whole-time appointment of MEDICAL SUPERINTENDENT at the above Certified Institution.

The salary is £950 per annum, rising by annual increments of £100 to a maximum of £1350 per annum, with emoluments for pension purposes valued at £150 per annum.

The appointment will be subject to the provisions of the Asylums and Certified Institutions (Officers' Pension) Act, 1918.

Applicants are required to submit their applications on a form to be obtained from the undersigned, and such applications, endorsed "Medical Superintendent," should be sent to or delivered at my office not later than 12 NOON on Thursday, the 4th November, 1937.

Canvassing, either directly or indirectly, will be a disqualification. GEORGE ETHERTON, Clerk of the Board.

County Offices, Preston, October, 1937.

## Lancashire Mental Hospitals Board.
APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENTS.

Applications are invited for the following whole-time appointments :—

Deputy Medical Superintendent, County Mental Hospital, Lancaster.

Deputy Medical Superintendent, County Mental Hospital, Winwick.

The salary in respect of each appointment is £750 per annum, rising by annual increments of £25 to a maximum of £850. An additional £50 per annum will be paid for the possession of a Diploma in Psychological Medicine.

The appointments will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applicants are required to submit their applications on a form to be obtained from the undersigned, and such applications, endorsed "Deputy Medical Superintendent, Lancaster/Winwick," as the case may be, should be sent to or delivered at my office not later than 12 NOON on Thursday, the 4th November, 1937.

Canvassing, either directly or indirectly, will be a disqualification. GEORGE ETHERTON, Clerk of the Board.

County Offices, Preston, October, 1937.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the following posts :—

1. HOUSE PHYSICIAN (Male) to the Sutton Branch, vacant November 5th. Salary £160.
   The Branch Hospital is not a recovery annexe but a general Hospital of 100 Beds, 45 of which are reserved for medical cases.
   The above post is recognised by the University of London for the M.D. Branch 1 (Medicine) Examination.
2. SECOND HOUSE SURGEON (Male) at the Main Hospital, vacant November 5th. Salary £150.
   The Hospital is recognised by the Royal Colleges for the F.R.C.S. Examinations, and this post is also approved by the University of London for the M.S. Branch 1 (Surgery) Examination.
3. FIRST CASUALTY OFFICER (Male). Vacant November 1st. Salary £150.
   In addition to carrying out duties in the Casualty Department the Officer appointed will act as House Surgeon to one of the Honorary Assistant Surgeons, and will thus obtain Ward and Theatre experience. He will be eligible for promotion to a more senior post when a vacancy occurs.

In all the above posts salary is plus board, residence and laundry.

The above appointments will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

11th October, 1937 R. J. CARLESS, House Governor.

## James Murray's Royal Mental
HOSPITAL, PERTH.

SENIOR ASSISTANT PHYSICIAN wanted; previous hospital appointment essential. Starting salary £350 or £400 (with board, &c.) according to experience.

Apply, stating age and experience, with copies of testimonials, to Physician Superintendent.

## County Borough of Stockport.
PUBLIC ASSISTANCE COMMITTEE.

STEPPING HILL HOSPITAL.

CONSULTANT PHYSICIAN.

Applications are invited for the appointment of Consultant Physician at the above Hospital.

The person appointed will be required to attend two sessions each week.

The salary will be at the rate of £200 per annum.

Applications, stating age, qualifications, other appointments held, and experience, accompanied by three testimonials of recent date, should be sent to the undersigned by not later than 10 A.M. on Monday, the 25th October next, endorsed "Consultant Physician." H. BARLOW, Clerk to the Committee.

Public Assistance Offices, Shaw Heath, Stockport,
7th October, 1937.

## Urban District of Chadderton.
APPOINTMENT OF MEDICAL OFFICER OF HEALTH, SCHOOL MEDICAL OFFICER, AND CHILD WELFARE OFFICER.

The Urban District Council of Chadderton invite applications from gentlemen for the appointment of Medical Officer of Health, School Medical Officer, and Child Welfare Officer. Every candidate must be a duly qualified Medical Practitioner not exceeding forty-five years of age, and must be registered in the Medical Register as the holder of a diploma in sanitary science, public health or state medicine.

The area of the Urban District is 3015 acres, with a population of approximately 30,000.

The appointment will be made subject to the approval of the appropriate Government Departments, the provisions of Section 110 of the Local Government Act, 1933, and the Sanitary Officers (Outside London) Regulations, 1935.

The person appointed will be required to devote the whole of his time to the performance of the duties of the offices, and he will not be permitted to engage in private practice as a Medical Practitioner. He will be required to enter into an Agreement and also to reside within the Urban District.

The Council have fixed April 1st, 1938, as the "appointed day" for the operation of the Local Government and Other Officers' Superannuation Act, 1922, and as the appointment will be subject to the provisions of that Act the successful candidate will be required to pass a medical examination.

The salary will be after the rate of £800 per annum, rising, subject to satisfactory service, by annual increments of £50 to a maximum of £1000 per annum, together with an allowance of £20 per annum in respect of travelling expenses.

Applications, endorsed "Medical Officer of Health, &c.," stating age, particulars of qualifications and local government experience (if any), supported by copies of not more than three testimonials which will not be returned, must be delivered to the undersigned not later than Saturday, the 30th day of October, 1937.

Canvassing, either directly or indirectly, will be deemed a disqualification. J. SCHOFIELD, Clerk of the Council.

Town Hall, Chadderton, Lancs, 12th October, 1937.

## Norfolk and Norwich Hospital, Norwich.

APPOINTMENT OF HONORARY PHYSICIAN.

The Board of Management hereby gives notice that there is a vacancy for an Honorary Physician, which will be filled on Tuesday, the 16th November, 1937, at 3 P.M.

Candidates for the office of Physician shall produce evidence of being Doctors in Medicine of one of the Universities of the British Empire or Members of the Royal College of Physicians of London, and having been registered according to the provisions of the Medical Act.

Applications, with copies of testimonials, must be sent not later than fourteen days before the day of election to the undersigned.

By order of the Board of Management.
FRANK INCH, House Governor and Secretary.
8th October, 1937.

## County of Kent.

TWO ASSISTANT TUBERCULOSIS OFFICERS (MALE).

Applications are invited for the above-mentioned whole-time appointments on the staff of the Public Health Department.

The duties will include attendance at Dispensaries and such other work as may be assigned from time to time.

The salary is at the rate of £600 a year rising, subject to satisfactory service, by annual increments of £25 to a maximum of £750 a year, with subsistence and travelling allowances according to the County Council's scale.

The officers appointed will be required to reside in such part of the county as may be directed.

The posts are designated as established ones under the Local Government and Other Officers' Superannuation Act, 1922, and each is terminable by three months' notice on either side. The successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications, and clinical experience, with special reference to practical experience in the diagnosis and treatment of Tuberculosis, accompanied by copies of not more than three testimonials, must be received by the County Medical Officer of Health, Sessions House, Maidstone, not later than Tuesday, 19th October, 1937. No official form of application will be issued.

W. L. PLATTS, Clerk of the County Council.
Sessions House, Maidstone, 2nd October, 1937.

## Lancashire County Council.

JUNIOR ASSISTANT MEDICAL OFFICER, WRIGHTINGTON HOSPITAL, APPLEY BRIDGE.

Applications are invited for the post of Junior Assistant Medical Officer (Male, unmarried) for the Wrightington Hospital which contains 206 Beds for non-pulmonary tuberculosis (adults, and children), and 20 Beds for "combined" pulmonary and non-pulmonary cases. Salary £200 per annum, together with board, residence, and laundry.

The appointment will be for six months or for twelve months as may be agreed upon.

The medical staff consists of medical superintendent, two assistants, two consultant orthopædic surgeons, and other visiting surgeons. There are excellent facilities for reading for M.D.

Forms of application and conditions of appointment obtainable from Central Tuberculosis Officer, County Offices, Preston. Letters to be marked "Wrightington M.O."

Closing date 21st October, 1937.

GEORGE ETHERTON, Clerk of the County Council.
County Offices, Preston.

## The Guest Hospital, Dudley.

(General Hospital. 107 Beds. Shortly to be increased to 160 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER (Male). Salary at the rate of £250–£300 per annum, according to experience, with furnished apartments, board, and laundry. Candidates must have had experience in emergency surgery, and preference will be given to those holding the qualification of F.R.C.S. or M.S.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned. H. RAYMOND HURST, House Governor and Secretary.
1st October, 1937.

## Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

Wanted, a SECOND HOUSE SURGEON; also a THIRD HOUSE SURGEON (Male, unmarried). Candidates must be duly qualified and registered. The appointments will be for six months ending 30th April, 1938, followed by promotion if suitable. Salary, including all services required in connexion with Paying Patients' Ward, £175 per annum, and £150 per annum respectively, with residence, board, and laundry. The Resident Staff consists of Resident Surgical Officer and three House Surgeons. The Hospital contains Maternity and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned, to whom applications stating age and nationality, together with testimonials, should be sent on or before the 20th instant.

4th October, 1937. A. MIDGLEY, Secretary.

## The Robert Jones and Agnes Hunt

ORTHOPÆDIC HOSPITAL, OSWESTRY.
(Beds: Adults, 210. Children, 110.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male), which will become vacant in January, 1938.

The appointment is for a period of one year, but may be renewed annually for a period not exceeding three years.

Commencing salary £350 per annum, rising by annual increments of £50 to £450 per annum, with board, residence, laundry.

Candidates must be registered Medical Practitioners and have had previous Orthopædic experience; it is essential that they should possess a higher surgical qualification.

Applications, together with copies of three recent testimonials, stating age, qualifications, and experience, should be received not later than the 6th November, 1937.

JOHN MENZIES, Secretary-Superintendent.

## The Robert Jones and Agnes Hunt

ORTHOPÆDIC HOSPITAL, OSWESTRY.
(Beds: Adults 210. Children 110.)

HOUSE SURGEON (Male) required at once. Appointment for six months with possibility of extension. Salary at the rate of £200 per annum, with board, residence, and laundry. Two weeks' holiday for each six months' service.

Applications, stating age, qualifications, and experience, with copies of three recent testimonials, to be addressed to the Secretary-Superintendent, and to reach him not later than October 23rd.

## The Royal Gwent Hospital, Newport,

MON.
(210 Beds.)

Applications are invited for the following appointments, which become vacant on November 1st next:—

One HOUSE PHYSICIAN; Three HOUSE SURGEONS; One HOUSE SURGEON to Fracture and Orthopædic Department. Each appointment is for six months, commencing November 1st. The duties of the House Physician include attendance at V.D. Clinics held at the Hospital. Salaries: House Physician at the rate of £150 per annum; House Surgeons at the rate of £135 per annum; in all cases including full board, quarters, and laundry.

Applications, with full particulars, should be addressed to the undersigned immediately.

S. CECIL HILL, Secretary-Superintendent.

## Royal Eastern Counties' Institution

FOR THE MENTALLY DEFECTIVE.

MEDICAL SUPERINTENDENT required, by about the 15th December, for a Branch of the Royal Institution situated at BRIDGE HOME, WITHAM, ESSEX. 340, male beds.

The Superintendent appointed will be in administrative and medical charge of the Home at Witham, subject to the authority of the Medical Superintendent of the whole group of Institutions and Branches which form the Royal Institution.

The appointment is a whole-time one. Previous residential experience in a Mental Deficiency Institution or in a Mental Hospital is essential. Age not over forty. Applications to be received not later than the 20th October. Salary £700 a year, rising by annual increments of £25 to a present maximum of £900, with unfurnished house (free of rates), gas, electricity, laundry, and garden produce.

Apply, giving age, nationality, experience, and copies of references, to Medical Superintendent, Royal Institution, Colchester.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS.

Applications are invited from fully qualified Men for the above post.

The appointment is for six months.

Salary at the rate of £150 per annum.

Applications, stating age, together with copies of three recent testimonials, should be sent to the undersigned.

M. H. BOONE, Superintendent and Secretary.
4th October, 1937.

## Birmingham and Midland Eye

HOSPITAL.
(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Hospital. Salary £200 per annum, and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons, and, in the event of one of the latter being promoted to the position of Resident Surgical Officer, applicants should state whether they will be willing to accept appointment as House Surgeon at a salary of £130 (rising at the end of six months' satisfactory service to £150) per annum.

Applications, with testimonials and evidence of registration should be forwarded immediately.

J. W. PEARCE, General Superintendent.
Church-street, Birmingham, 3.

## City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES.
(600 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of SECOND RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital, and have taken the diploma in Public Health, or have special experience in bacteriology, and who have had previous experience in fevers.

Salary £350, rising by £25 annually to £450 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester 3, and applications for the post must be received by him not later than 23rd October, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 2nd October, 1937.

## City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

JUNIOR MEDICAL OFFICERS (Male).

Applications are invited from fully qualified Medical Practitioners for the whole-time appointments of Junior Medical Officers (Male) at the Selly Oak Hospital, Birmingham. The appointments will be for periods of six months in the first instance, but may be extended at the end of that time for further periods of not exceeding six months.

Salary at the rate of £200 per annum, and full residential emoluments.

Further particulars may be obtained from the Medical Superintendent at Selly Oak Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded not later than Wednesday, 27th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, September, 1937.

## North Wales Counties Mental

HOSPITAL, DENBIGH.

The Visiting Committee invite applications from duly qualified Male candidates, unmarried, for the post of JUNIOR MEDICAL OFFICER. Commencing salary, which will be subject to statutory deductions under the Provisions of the Asylums Officers' Superannuation Act, 1909, will be £350, rising by annual increments of £25 to £450 per annum, together with full board, residence, laundry, and attendance, valued at £125 per annum for superannuation purposes. The appointment to be terminable upon one month's written notice on either side.

A knowledge of Welsh is desirable. The person appointed will also be paid in addition to his salary the sum of £50 per annum if he holds the Diploma of Psychological Medicine.

Applications, stating age, qualifications, and accompanied by three recent testimonials, are to be sent to the Chairman of the Visiting Committee endorsed "Junior Medical Officer" not later than Saturday, the 23rd of October.

Dated this 29th day of September, 1937.

WM. BARKER, Clerk to the Visiting Committee.

## County Borough of South Shields.

THE SOUTH SHIELDS GENERAL HOSPITAL.

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited by the South Shields Corporation for the appointment of Deputy Medical Superintendent of the above hospital (400 Beds), at a commencing salary of £350 per annum, rising by two annual increments of £50 to a maximum of £450 per annum, together with board, residence, and laundry, valued at £101 per annum.

The salary and emoluments are subject to a deduction of 5 per cent. under the Local Government and Other Officers' Superannuation Act, 1922.

Form upon which application should be made, accompanied by copies of three recent testimonials, may be obtained from the Medical Officer of Health, Town Hall, South Shields, and should be received by the undersigned in an envelope marked "Deputy Medical Superintendent" not later than the 27th day of October, 1937.

HAROLD AYREY, Town Clerk.

Town Hall, South Shields, 20th September, 1937.

## Royal Hampshire County Hospital,

WINCHESTER.
(167 Beds.)

HOUSE PHYSICIAN.

Applications are invited from fully qualified Men for the above post to take up duties on 1st December next. Six months' appointment. Salary £125 per annum, with board, residence, and laundry.

Candidates, who must be of British nationality, to make application to the undersigned, enclosing copies of three testimonials.

HERBERT MASLEN, Secretary.

7th October, 1937.

## The University of Sheffield.

A RESEARCH ASSISTANT is required in the Department of Pathology. The salary is £400 per annum. Some experience of Bacteriological or Biochemical methods is desirable, but not essential.

Applications, accompanied by the names of two referees, must be forwarded on or before October 23rd, 1937. Further information may be obtained from the undersigned.

W. M. GIBBONS, Registrar.

## Boston General Hospital.

(70 Beds.)

RESIDENT MEDICAL OFFICER (Male) required.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months and is renewable.

Applications, stating age, qualifications, and previous experience, with copies of three recent testimonials, should be sent to the undersigned immediately.

GORDON EASTO, Secretary.

## Devonshire Royal Hospital, Buxton,

DERBYSHIRE.
(A National Hospital of 300 Beds for Rheumatic Diseases.)

The Committee of Management invites applications for the appointment of HONORARY ASSISTANT PHYSICIAN.

Applications, accompanied by copies of three testimonials, must be forwarded to the undersigned not later than 30th October, 1937.

A. PRESTON TURNER, General Superintendent and Secretary.

## City of Birmingham.

PUBLIC HEALTH DEPARTMENT—TUBERCULOSIS SECTION.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from single registered Male Medical Practitioners for the post of Assistant Resident Medical Officer in the Tuberculosis Section of the Public Health Department. The successful candidate will be employed both in a Sanatorium and in a Dispensary. Candidates should have held a resident general hospital appointment and an appointment in some institution recognised for the treatment of tuberculosis.

The commencing salary will be at the rate of £450 per annum, rising by £25 to £500 per annum, with emoluments valued at £150 per annum, and the appointment will be terminable by one month's notice on either side.

The successful candidate will be required to pass an approved medical examination, to contribute to the superannuation scheme established under the Local Government and Other Officers' Superannuation Act, 1922, as amended by Section 82 of the Birmingham Corporation Act, 1935 (Annuities for Widows), and if under thirty years of age, to join the Birmingham Municipal Officers', Widows' and Orphans' Pension Scheme.

Forms of application and a summary of duties may be obtained from, and should be returned, with three recent testimonials, to the Chief Clinical Tuberculosis Officer, 151, Great Charles-street, Birmingham, 3, not later than the 29th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1.

## Berks and Bucks Joint Sanatorium,

PEPPARD COMMON, OXON.
6 miles from Reading.
183 Beds for men, women and children.

MEDICAL SUPERINTENDENT.

Applications are invited from registered Medical Practitioners for the appointment of a Medical Superintendent, who will be required to take up his duties on 1st April, 1938.

Candidates, who should be under forty-five years, should possess the qualifications prescribed by Article 3 of the Local Government (Qualifications of Medical Officers and Health Visitors) Regulations, 1930, and must have had experience in general clinical work in tuberculosis and in institutional administration.

The salary will be £800, rising every two years by increments of £50 to £1000. From this will be deducted the value of the following emoluments: house free of rates, together with light, water, fuel, laundry, and produce from the Sanatorium garden, the total to be agreed but estimated at a minimum of £130 per annum.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and will be terminable by three months' notice in writing on either side.

The successful candidate will be required to devote his whole time to the duties of the office and must not engage in private practice nor accept fees other than those of the National Health Insurance panel for resident members of the staff.

Applications on the prescribed form in candidates' own writing, together with *copies* of three recent testimonials, must be received by November 6th in an envelope endorsed "Medical Superintendent," and addressed to the undersigned, from whom the prescribed form can be obtained.

A travelling allowance is made while on Sanatorium business.

The annual vacation is one month.

Canvassing, directly or indirectly, will disqualify.

The Sanatorium can be visited by appointment with the Superintendent, from whom further particulars can be obtained.

H. A. FOLEY, Clerk to the Joint Committee.

County Hall, Aylesbury, Bucks, 9th October, 1937.

## Royal East Sussex Hospital, Hastings.

Applications are invited for the post of JUNIOR HOUSE SURGEON (Female), vacant 21st November. The appointment is for a period of six months.

Salary at the rate of £150 per annum, with board and residence.

Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary. WILFRID G. KEMSLEY, Secretary.

## City of Liverpool.

SENIOR RESIDENT ASSISTANT MEDICAL OFFICER (SURGICAL).

Applications are invited for the above appointment at the MILL-ROAD INFIRMARY, LIVERPOOL.

Candidates must be single, fully qualified, and registered, have had at least two years' continuous Hospital experience since qualification, and possess special experience in surgery—preferably holding a higher surgical degree.

Salary at the rate of £350, rising by annual increments of £25 to £450 per annum, together with the usual residential allowances. All fees received in connexion with the appointment to be handed over to the City Council.

The appointment will be made in accordance with the Standing Orders of the City Council and will be determinable by one calendar month's notice on either side.

Canvassing, either directly or indirectly, will be deemed a disqualification.

Applications, upon forms to be obtained from the Medical Officer of Health, Municipal Annexe, Liverpool, to be endorsed "Senior Resident Medical Officer," and returned to the undersigned so as to be received not later than Thursday, 28th October, 1937.

W. H. BAINES, Town Clerk.

Municipal Buildings, Dale-street, Liverpool, 2.
October, 1937.

## Dorset Mental Hospital, Dorchester.

JUNIOR ASSISTANT MEDICAL OFFICER required. Salary £400–£25–£450, with apartments, board, attendance, and laundry valued at £120. £50 extra for D.P.M. Laboratory facilities for research and clinical medicine; three Out-patient Clinics.

STUDY LEAVE MAY BE GRANTED AFTER APPROVED SERVICE.

General hospital experience desirable. Apply, with testimonials and references, to Medical Superintendent.

## Huddersfield Royal Infirmary.

(321 Beds.)

Male HOUSE SURGEON required to be attached to Eye, Ear, Nose, and Throat Department.

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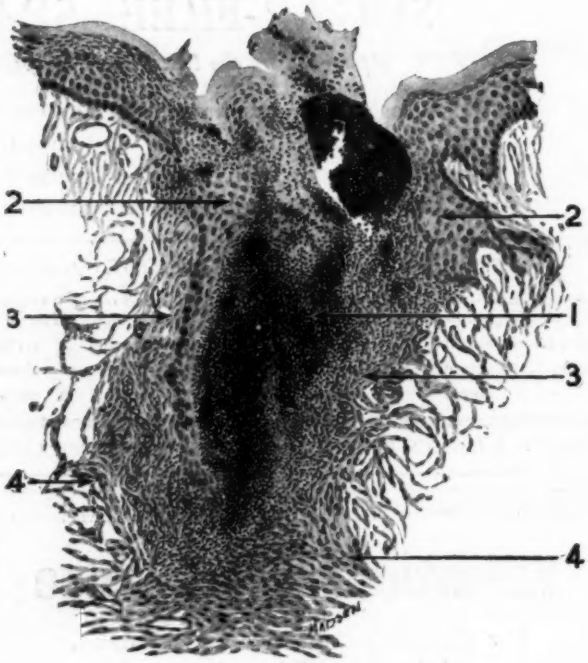


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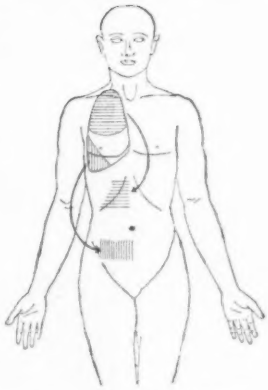

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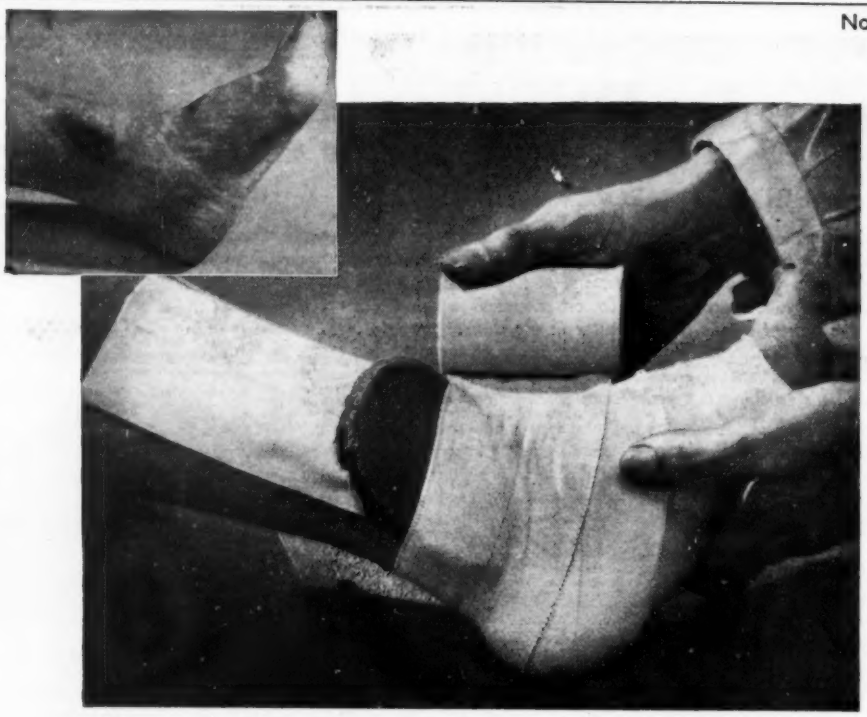

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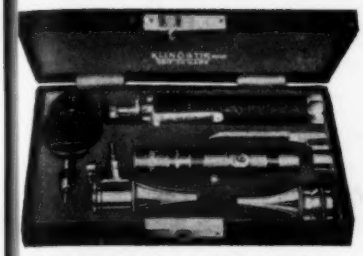

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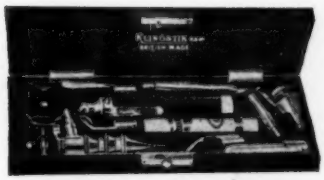

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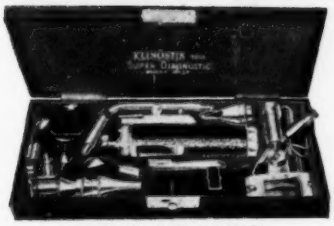

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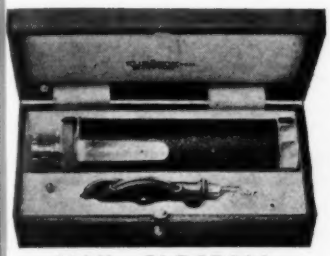

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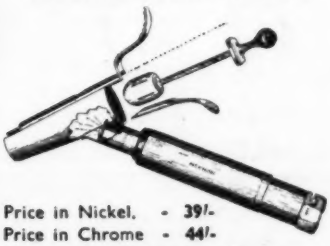

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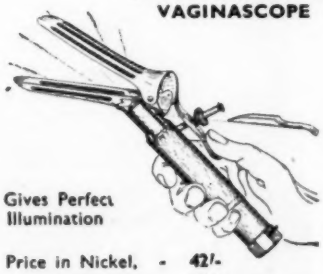

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The introduction of MANDECAL for use in the treatment of urinary infections is the outcome of an investigation (Lancet, May 8th, 1937, p.1104) undertaken with a view to finding a means of overcoming certain disadvantages, such as occasional nausea and dyspeptic discomfort, which are associated with mandelic acid treatment. In this investigation 'the same good results' were obtained with calcium mandelate as with other preparations of mandelic acid, but without any of the drawbacks associated with the latter treatment.

MANDECAL is a light, pleasantly-flavoured powder containing 75 per cent. of pure calcium mandelate; it possesses an outstanding advantage accruing from its ready miscibility with water. It is necessary merely to measure the required dose and to stir it into about two fluid ounces of water in a glass; immediately an even suspension is formed ready for administration.
MANDECAL is available in bottles containing approximately 130 grammes, sufficient for treatment lasting seven days.

*Literature on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1.

Mncl/S/12

# MULTIVITE

(Vitamins A 'B' C and D)

The administration of Multivite compensates for the general all-round vitamin deficiency which prevails in the modern dietary; conditions of lowered resistance, lack of vitality and subnormal health which are manifestations of this deficiency quickly yield to treatment with this composite vitamin preparation, as the following reports testify:

'. . . while taking Multivite Pellets my patient is more active in his mental and bodily functions, constipation is relieved, and acne, which was severe, is much improved. I am so impressed with these results that I would be glad to try the effect on myself—recovering from a most prostrating attack of influenza.' — — —— M.D.

'. . . I think there are definite signs of increased vitality and a steady disappearance of night sweats in the case of pulmonary fibrosis that was having Multivite Pellets. I have advised her to continue them over a long period, as I have a high regard for their value . .' — — —— M.B. Ch.B.

*Sample on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Mlvt/S/327

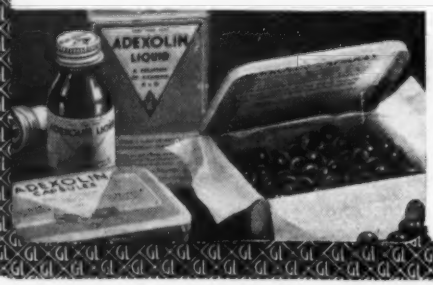
# RELIABLE VITAMIN PROTECTION AGAINST WINTER

¶ *Flexibility*
*more important than extreme concentration*

★★★ To protect the susceptible at this time of year, to shorten the course of an early cold, or to check recurrent infection, the immediate administration of Adexolin vitamins A and D is urged. Four to five Adexolin capsules daily, followed by a routine dosage (one capsule daily) has proved to be a reliable measure. Adexolin serves to build up a nutritional barrier to disease and to increase the general sense of well-being.

★★★ Adexolin concentrates of A and D are of such potency that the smallest prophylactic dose or the largest dose for "massive" vitamin therapy may be given with equal convenience. Each 3m. capsule contains 6,000 international units of vitamin A and 1,000 of D (the equivalent in *both* vitamins of three teaspoonfuls of medicinal cod-liver oil). Each cc. of tasteless Adexolin Liquid contains 12,000 international units of A and 2,000 of D.

*CAPSULES: Boxes of 25, 2/6; 100, 7/6; 500, 30/6; 1,000, 56/-. LIQUID: ½ oz. phials, 2/6; 2 oz. bottles, 7/6; 4 oz., 12/6; 8 oz. 22/6. The above prices, which are subject to the usual professional discount, do not apply in I.F.S.*

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VITAMINS A & D
LIQUID & GL CAPSULES

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SAFE *Analgesia in Labour*

**BELLADONNA EXCLUDD SUPPOSITORIES**

Promptly acting SPASMOLYTIC and ANALGESIC
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Shorten the course of labour.

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(Annual Report of the Ministry of Health, 1936-1937, p. 49.)

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Members of the medical profession appreciate the dietetic value of Marmite—the yeast extract rich in vitamin $B_1$ and $B_2$ complex.

Marmite is prescribed extensively with beneficial results in preventive and curative medicine; it is ordered particularly when vitamin B therapy is indicated and in certain forms of anæmia.

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**References:**
"The Medical Review," Vol. VI., No. 1.
"The Lancet," No. 3923, Vol. CLV.
"The Edinburgh Medical Journal," No. 567, Vol. LIV.
"The Lancet," No. 4143, Vol. CLXIV.

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The action of SEROGAN is predominantly that of ovarian follicle stimulation. It is therefore specifically indicated in the treatment of conditions resulting from deficient follicular secretion, such as amenorrhœa, hypomenorrhœa, or dysmenorrhœa associated with uterine hypoplasia.

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with Syr. Calcii Lactophos in each fluid drachm

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The value of Pyridium (phenyl-azo-alpha-alpha-diamino-pyridine hydrochloride) is established in cystitis, pyelitis, urethritis, prostatitis, vaginitis, and in preoperative urinary tract infections.

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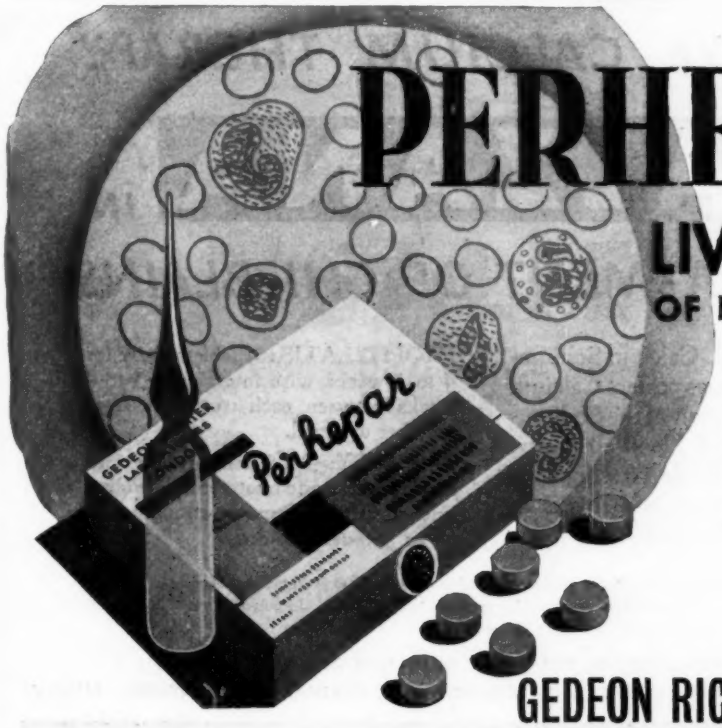


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A combined therapy using both liver extract and stomach tissue has been proved to be effective in certain cases which were not amenable to either alone.

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# EFFECTIVE CALCIUM THERAPY

## WITH KALZANA IN

## THE TREATMENT OF CHILBLAINS

The double salt of Calcium-Sodium-Lactate, Kalzana, ensures perfect Calcium retention, as the oxidation of the Sodium-Lactate favours normal blood alkalinity. The success of Calcium therapy depends upon adequate retention, and this is at its maximum with Kalzana.

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Two varieties: **Original formula (Buff Label)** **'Endrine' Mild (Green Label)**

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**(ENTERIC COATED BILE SALTS TABLETS)**

'SALFEL' TABLETS PRESENT THE BILE SALTS SODIUM GLYCOCHOLATE AND SODIUM TAUROCHOLATE IN THE PROPORTIONS EXISTING IN FRESH BILE. BILE SALTS ASSIST BOTH PANCREATIC DIGESTION AND NORMAL PERISTALSIS AND PROVIDE A POWERFUL STIMULANT TO THE SECRETORY ACTIVITY OF THE LIVER

SUPPLIED IN ENTERIC COATED TABLETS ONLY
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"At present writing it would seem that Pentnucleotide, provided there are no untoward reactions,* offers the best chance of recovery in a patient with true agranulocytosis."

H. JACKSON, Jr., and F. PARKER,
*New England Jour. of Med.*, 212 : 137-148, 1935.

* Reactions are usually avoided by administering 'Pentnucleotide' in small, divided doses.

## 'PENTNUCLEOTIDE'

**A mixture of the sodium salts of pentose nucleotide for intramuscular use in the treatment of**

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"SevenSeaS" is obtainable in three forms: (1) High Potency Oil—four times B.P. standard; (2) High Potency Capsules containing 5 mm. dose of High Potency Oil; (3) Standard B.P. Oil. We would like all practitioners to prove "SevenSeaS" High Potency Cod Liver Oil to their own satisfaction. Please send to the address below for a free sample.

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*HIGH POTENCY OIL (you only need 5 drops)* - **1/3** *bottle*
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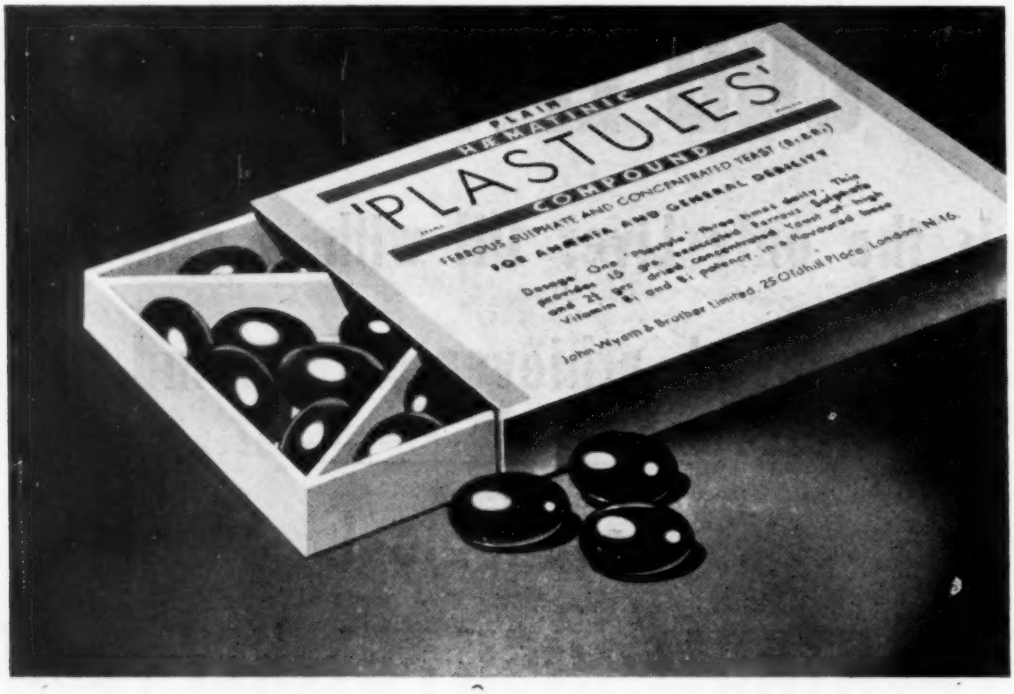


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Ferrous iron is effective in small doses and therefore avoids indigestion, cramp, diarrhœa, toxic reactions and constipation, which may be induced by massive amounts of iron.

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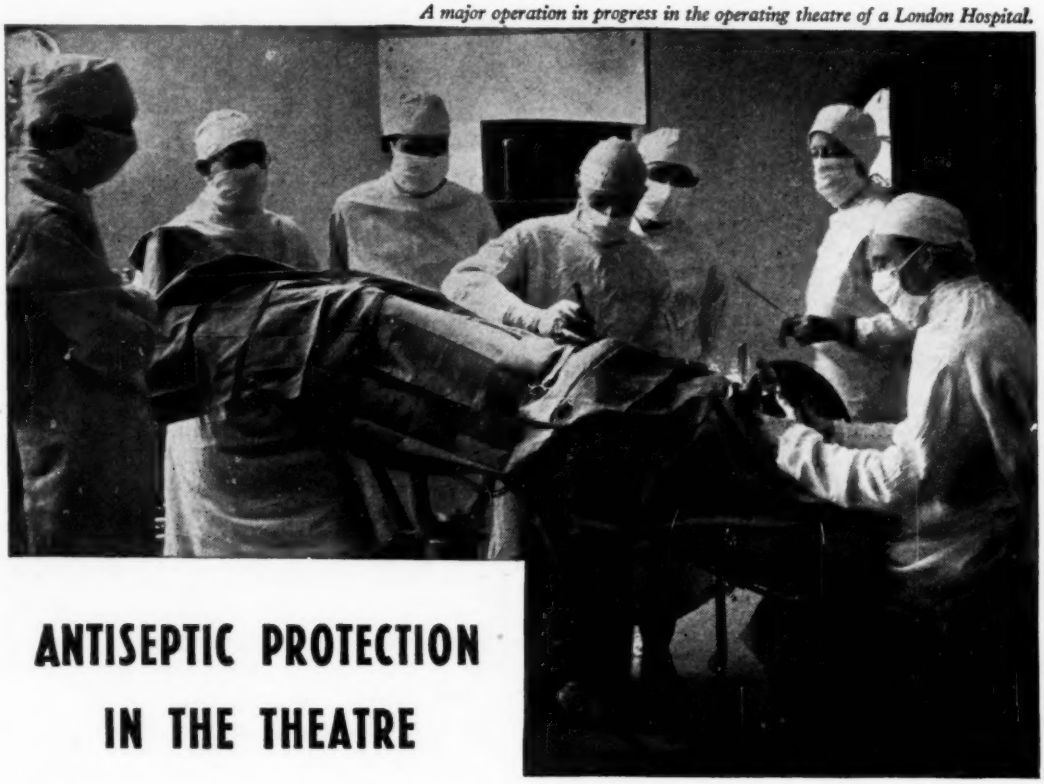

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THE greatest danger in any operation is the risk of introducing bacterial micro-organisms into the system. Because of this, elaborate precautions are taken in the operating theatre to prevent infection. Modern antiseptic methods have succeeded in eliminating sepsis — once the surgeon's greatest fear and problem.

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*effectively relieves*

**CONSTIPATION by STIMULATING**

*not forcing*

**NATURAL ACTION**

7½D Per Packet

Medical men the world over are turning to Kellogg's ALL-BRAN as an effective and completely harmless constipation remedy. ALL-BRAN is easily digested and retains the valuable properties of the raw bran... assimilable iron and Vitamin B. ALL-BRAN cleanses like a *water-softened sponge.* Within the body the soft "bulk" of ALL-BRAN gently exercises intestinal muscles, and *sponges out* the system of waste matter.

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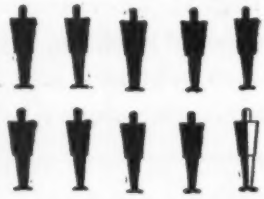

**98% cases of CONSTIPATION yield to the BRAN remedy**

In laboratory tests, Bran has proved a definite remedy in 98 cases out of 100. The failures were all due to the patients' inability to accommodate bulk in fruit, vegetables or Bran.

Kellogg's

ALL-BRAN

*The Natural Laxative Food*

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Bush House, London, W. C. 2

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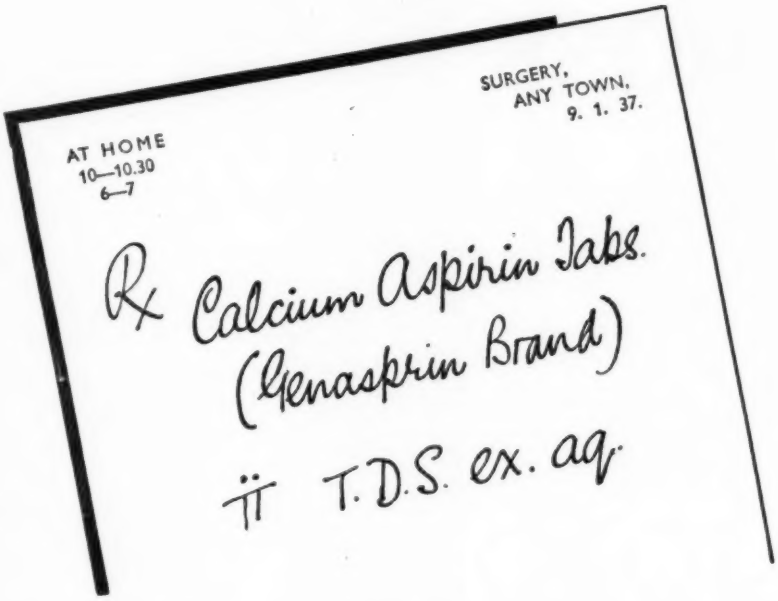
# STABILISED—SOLUBLE—NEUTRAL




## CALCIUM DEFICIENCY PREGNANCY LACTATION and GROWTH

As an analgesic and antipyretic, CALCIUM ASPIRIN (Genasprin brand) TABLETS possess all the virtues of purest aspirin without any of the latter's side actions.

Being neutral and soluble, CALCIUM ASPIRIN (Genasprin brand) cannot cause gastric irritation, acidosis or demineralisation.

In cases of calcium deficiency, pregnancy, lactation and growth, the value of CALCIUM ASPIRIN as against aspirin is clearly demonstrated.

Its low toxicity permits large doses and safe administration to children ; in fact, it is now routine treatment for chorea in children and young people.

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| **12 tubes in carton :** | **12 x 20 tablets** | **6/6** |
| **24 „ „** | **24 x 20 „** | **12/6** |

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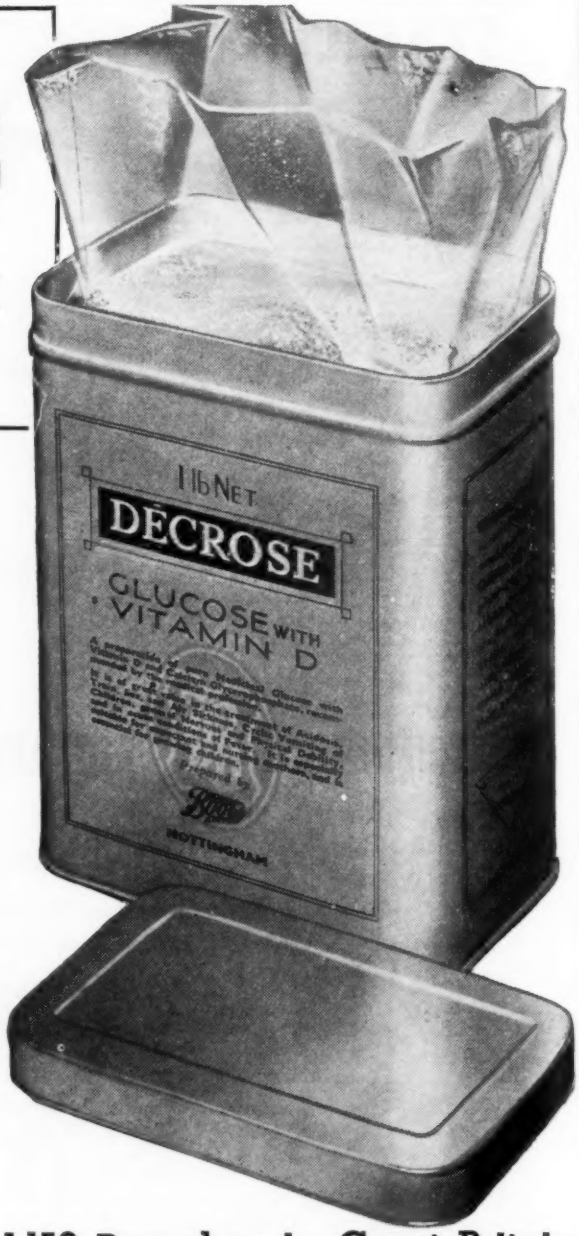
TRADE MARK

# DÉCROSE

BRAND

## GLUCOSE WITH VITAMIN D




Décrose presents the valuable energy-giving food Glucose, together with suitable amounts of calcium and phosphorus in the form of Calcium-Glycerophosphate, and sufficient Vitamin D to ensure their assimilation. Décrose can be used in every case where Glucose is required and is specially suitable for expectant and nursing mothers and growing children.

For Debility, Malnutrition, Anorexia, Cyclical Vomiting in Children and in Convalescence.

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**DÉCROSE 1 lb. tin**

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## *Formula*

| | |
|---|---|
| Campho Sulphonate of sparteine | 6.0 grams |
| Campho Sulphonate of ephedrine | 2.5 ,, |
| Extract of boldo - - - | 10.0 ,, |
| Extract of crataegus - - - | 20.0 ,, |
| Extract of salvia - - - | 10.0 ,, |
| Tincture of marrubium - - | 10.0 ,, |
| Glycerine extract of thyroid (1 equals 1 of fresh gland) - | 0.10 ,, |
| Valerian - - - - - | 50.0 ,, |
| Hexamethylene-tetramine - - | 10.0 ,, |
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PRICE - 4/6 per 4 oz. bottle

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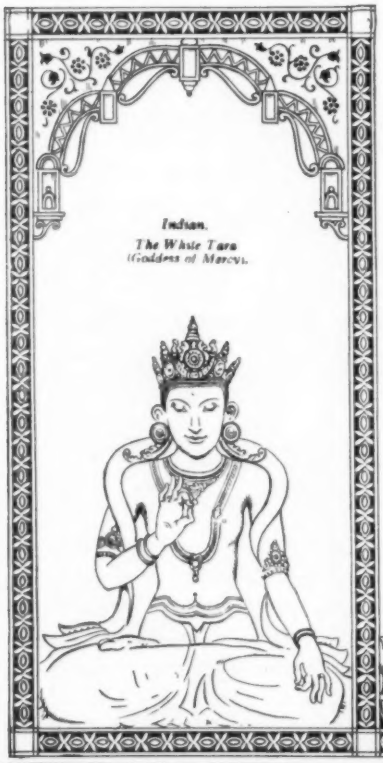


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M282

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# ALASIL

M268

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*Cabmos, represented as a youthful figure with a Hydria, receiving from Athene the stone wherewith to kill the Serpent.*

M. 263.

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|---|---|---|---|
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| Adenitis | 3.7% | 7.2% | 4.5% |
| Otitis media | 6.1% | 8.2% | 18.1% |
| Mastoiditis | . . | 1.03% | 13.6% |
| Nephritis | . . | 1.03% | 4.5% |
| Sinusitis | . . | 2.0% | . . |

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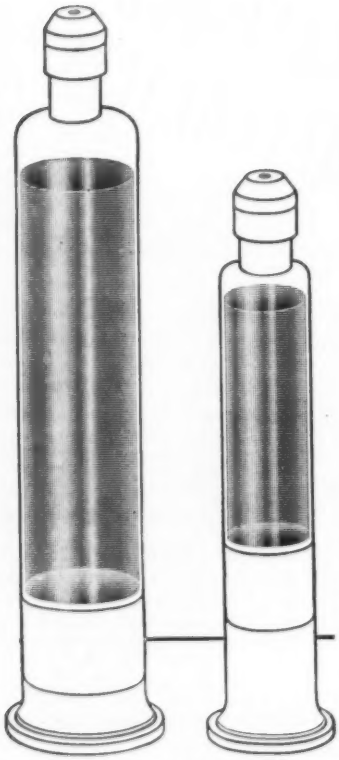

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*PROC. ROY. SOC. MED. JANUARY, 1937. p 276*

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CVS-86

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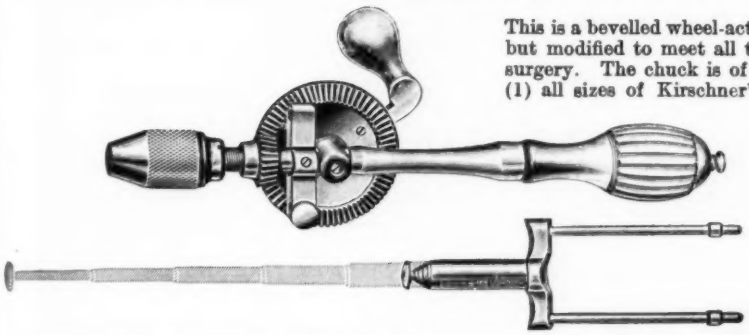

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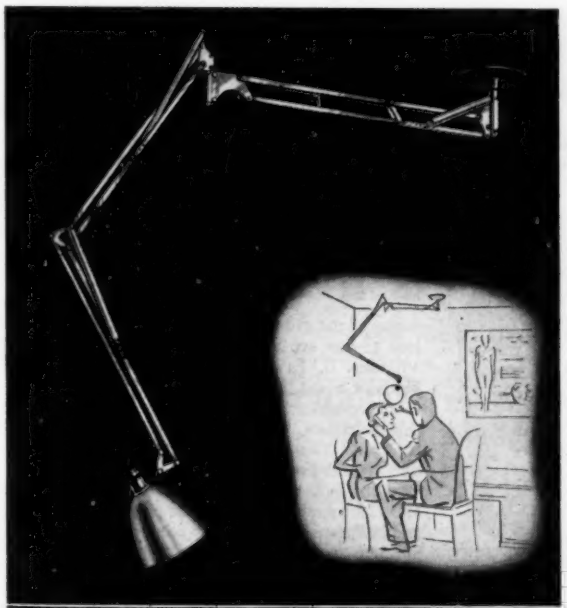

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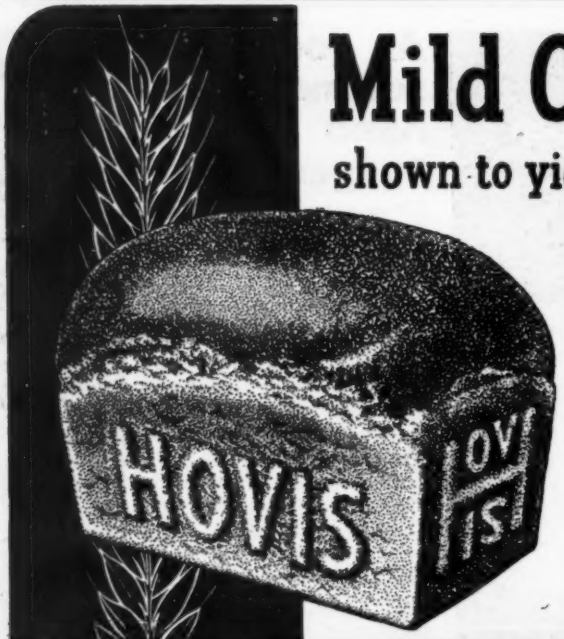


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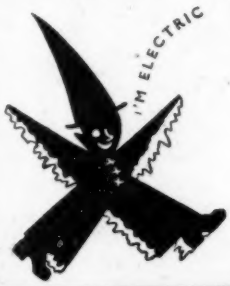


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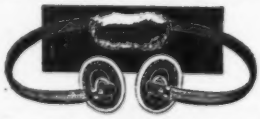

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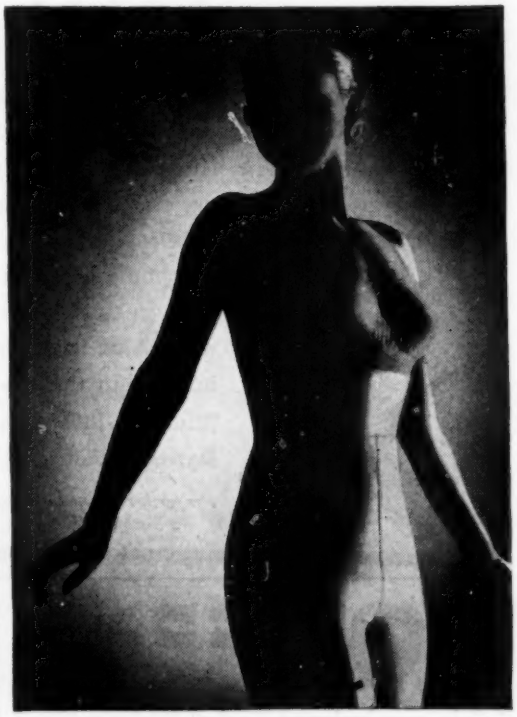

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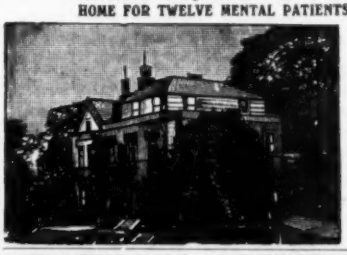

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Apply MISS THWAITES.

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## LITTLETON HALL, BRENTWOOD, ESSEX

(18 MILES FROM LONDON.)

400 feet above sea.

HOME for few LADIES Mentally Afflicted. Large grounds. Liverpool st. 26min. Stations Brentwood, Shenfield, one mile. Boarders received.

Apply Dr. Haynes

Telephone and Telegrams: Haynes Brentwood 45.

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## CHISWICK HOUSE, PINNER, MIDDLESEX.

Telephone: Pinner 234.

A PRIVATE HOSPITAL FOR THE TREATMENT AND CARE OF MENTAL AND NERVOUS ILLNESSES IN BOTH SEXES.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings.

Fees from 10 guineas per week inclusive.

Cases under certificate, Voluntary and "Temporary" Patients received for treatment. DOUGLAS MACAULAY, M.D., D.P.M.

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## FENSTANTON

**Christchurch Road, Streatham Hill, S.W.2**

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

*Apply:* **Dr. MADELINE R. LOCKWOOD,**
*phone:* TULSE HILL 7181 *Resident Physician Superintendent.*

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## BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

*For further particulars apply—*

Dr. ERNEST ROLLINS, Resident Physician.

*Tel.:* Clissold 1648.

# ST. ANDREW'S HOSPITAL
## FOR MENTAL DISORDERS,
## NORTHAMPTON

*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.
MEDICAL SUPERINTENDENT: DANIEL F. RAMBAUT, M.A., M.D.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3¼ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

**Telegrams: "Alleviated, London."** **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# PRIOR PLACE SANATORIUM

## HEATHERSIDE, CAMBERLEY, SURREY.

## FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

# PENDYFFRYN HALL SANATORIUM

**PENMAENMAWR, NORTH WALES.**

All Modern Methods of Treatment Available.

Ideally situated for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 1,000 ft., and commanding extensive sea and mountain views. Central heating, electric light, X-ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary, Pendyffryn Hall, Penmaenmawr, North Wales. 'Phone 20.

# SHAFTESBURY HOUSE

**FORMBY-BY-THE-SEA, Nr. LIVERPOOL**

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No. 8 Formby.*

# CALDECOTE HALL

**NUNEATON**
**WARWICKSHIRE**
('Phone: Nuneaton 241)

Residential treatment of

## Functional Nervous Disorders

**including Alcoholism and other Addictions**
(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Functional Nervous Disorders by psychotherapeutic and ancillary methods.

*Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.*

# BROMPTON HOSPITAL

**and FRIMLEY SANATORIUM**

PAYING PATIENTS RECEIVED

**BOTH MEDICAL and SURGICAL CASES**

**5 to 8 guineas per week at the Hospital. 3 to 4 guineas per week at the Sanatorium**

APPLY TO THE SECRETARY:—BROMPTON HOSPITAL, S.W.3

# THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

*Med. Supt.:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S.Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

# HAYDOCK LODGE,

**NEWTON-LE-WILLOWS, LANCASHIRE.**

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

# FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

*For terms, which are very moderate, apply to the proprietor. Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9*

# THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

# TOR-NA-DEE SANATORIUM

## MURTLE, DEESIDE, ABERDEENSHIRE

**FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS**

**Managing Director: DAVID LAWSON, M.D., F.R.S.E.**

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (headphones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

# NEW LODGE CLINIC,

## WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a "team" of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, and functional and organic nervous disorders.

**Particulars can be obtained on application to**

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* 181 & 182, Winkfield Row.

# HOLLOWAY SANATORIUM, Virginia Water

*A Registered Hospital for the Treatment of*

**Mental Disorders of the EDUCATED CLASSES**

(Founded and Endowed by Thomas Holloway in 1885)

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses, as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

*For Terms, apply to the Resident Medical Superintendent—*

**HENRY DEVINE, M.D., F.R.C.P., St. Ann's Heath, Virginia Water, Surrey**

**THE MARINE SPA**

(under the direction of the Corporation)

# TORQUAY

Newly-fitted Balneological and Electro-Medical and Russian Bath sections for recognised forms of Spa, etc., treatment, under mild winter climatic conditions.
Large Cooling Lounge, and "Vita" Glass Sun Lounge.
Warm Sea-Water Swimming Bath with modern filtration plant.
Assistants with C.S.M.M.G., and Bio-Physical qualifications.

*The new illustrated 12-page Brochure post free on application.*

**H. Berkeley Hollyer, General Manager.**
(late Manager, Brine Baths, Droitwich)

# Smedley's

Great Britain's Greatest Hydro

Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Stude Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

*Resident Physicians:* G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). TERMS, 13s. to 18s. per day, inclusive of board.

*Illustrated Brochure C.J. and full information on request.*

*Telephone*—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

# HARROGATE
## FOR HEALTH

Harrogate specialises in the Treatment of—Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver. Also in Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc. The Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis; Gout, Hyperpiesis, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.

A wide range of Sulphur and Iron waters is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets for Spa patients can be obtained at hotels and boarding houses without extra charge. **Complimentary and reduced price facilities for the Cure, Accommodation and Amusements are available for Members of the Medical Profession.**

Full details of Harrogate for Cure and Holiday will be sent free upon application to Spa Manager, Information Bureau, Harrogate, 2, (state if a medical enquiry).

# HARROGATE
THE MODERN SPA

**"IT'S QUICKER BY RAIL"**
*Cheap monthly return tickets to Harrogate from all stations. Any train, any day.*



# NORTHUMBERLAND HOUSE
GREEN LANES,
FINSBURY PARK, N.4

**A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses.** Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment.
*Telephone:* Stamford Hill 2688.
For further particulars apply to the MEDICAL SUPERINTENDENT.


## The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

A part-time SURGICAL REGISTRAR (Male) is required. Duties to commence on the 8th November, 1937. Salary at the rate of £200 per annum.

Candidates must be legally qualified to practise, and must have held a responsible resident appointment at a General Hospital.

The appointment is tenable for six months.

Applications must be received by noon on Monday, the 1st November, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 3rd November, 1937.

Further particulars and forms of application are obtainable from the undersigned.

October, 1937. HERBERT F. RUTHERFORD, Secretary.

## Mount Vernon Hospital (for Cancer),
NORTHWOOD.

A HOUSE SURGEON (Resident) will shortly be required. Application, with copies of three testimonials, should be addressed to the undersigned on or before the 30th instant.

W. J. MORTON, Offices: 32, Fitzroy-square, W.1.

## British Postgraduate Medical School.

APPOINTMENT OF SUB-DEAN.

The Governors invite applications from registered Medical Practitioners for the post of Sub-Dean of the School.

Salary £1250 per annum, rising by annual increments of £50 to £1500 per annum.

Applications must be received not later than the first post on 30th October, 1937, by the Chairman of the Governing Body, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, from whom further particulars of the duties, &c., may be obtained.

## Samaritan Free Hospital for Women,
Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing on November 8th next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, accompanied by copies only of three testimonials, must reach the Secretary at the Hospital on or before Wednesday, noon, October 27th, 1937.

G. H. HAWKINS, Secretary.

## ROYAL NAVAL DENTAL SERVICE

Vacancies exist for DENTAL OFFICERS in the Royal Navy, and applications for entry are invited from registered Dental Surgeons.

Candidates must be British subjects of pure European descent, below twenty-eight years of age on the day of entry, and physically fit for service in any part of the world. Unmarried candidates are preferred. No examination in professional subjects will be held, but approved candidates will be required to attend at the Admiralty for physical examination and interview by a Selection Board.

Successful candidates will be appointed to Short Service Commissions, and a grant of £50 towards the cost of providing the necessary uniform will be paid on entry. Vacancies in the permanent list will be filled by selection from among officers holding Short Service Commissions who desire to make the Royal Naval Dental Service their permanent career. Officers not transferred to the Permanent List will, on the termination of their Short Service Engagement after six years' service, receive a gratuity of £1000.

The rates of Full Pay for Short Service Dental Officers are £362 per annum during the first three years and £447 per annum during the second three years. Official quarters are provided.

Candidates who have, since qualifying, held full-time appointments as House Surgeons at Dental Hospitals and Schools will be eligible for an antedate of seniority up to a maximum of six months.

Officers serving under permanent commissions are eligible for a four months' post-graduate course on full pay with allowances.

Copies of the regulations for entry of conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of Dental Schools.

Applications for entry in January, 1938, must be received not later than 1st December, 1937, and for entry in April, 1938, not later than 7th March, 1938.

## Royal Chest Hospital,
City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the following post:—
HOUSE PHYSICIAN. Vacant 1st December for a period of six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 29th October to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.
Royal Northern Hospital, Holloway, London, N.7.

## County Council of Middlesex.

PHYSICIAN.

Applications are invited from registered Medical Practitioners for the appointment on the pensionable staff of a Physician, Grade II, at WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH. The appointment is a senior one in the Council's general hospital service, and applicants are expected to be medical men or women of high qualifications and professional attainments, who have devoted their time wholly or chiefly to the practice of clinical medicine, and who possess special knowledge and experience in psychological medicine. The successful candidate will work under the direction of the Medical Superintendent of the Hospital, and the whole of his time must be given to his official duties. He must be prepared to undertake the teaching of post-graduate students, if required, and to carry out such other duties as the County Council may from time to time direct.

Salary £650 per annum, rising by annual increments of £50 to £900, and, after eight years' service, by two further annual increments of £50 to a maximum of £1000 per annum. The salary is inclusive, and any fees received by the officer appointed must be paid over to the County Council.

The appointment is non-resident, and the successful candidate will be required to reside within a short distance of the hospital. In the case of an unmarried officer, if accommodation is available, board, lodging, laundry, and service may be provided by the County Council, and in this event a deduction of £150 per annum will be made from the officer's salary.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council and is terminable by three months' notice on either side.

Applications, stating age, qualifications, and experience, together with *copies* of not more than three recent testimonials, must be received by the undersigned not later than 30th October. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Physician, West Middlesex County Hospital." Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3,"
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 7th October, 1937.

# ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in January, 1938.

Candidates below the age of 28 years are preferred and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance, which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 22nd November, 1937.

## West London Hospital,
Hammersmith-road. (239 Beds.)

CHIEF ASSISTANT TO THE DEPARTMENT FOR TREATMENT OF INJURIES required. The post is a resident one and the duties commence on November 1st. Salary at the rate of £200 a year, with board, lodgings, and laundry allowance. Candidates must be duly qualified registered Medical Practitioners, and it is desirable they should possess one of the higher Surgical Degrees or Diplomas. They must have had special experience in the treatment of fractures.

The appointment, which is terminable by a month's notice on either side, will be for a period of six months in the first instance, but this period may be extended.

Applications, which must be made on printed forms obtained from me, must reach me not later than first post on Wednesday, October 27th. Candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at a Medical Council Meeting at 4.30 P.M. on Friday, October 29th, and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

## Croydon General Hospital.

Applications are invited from qualified and registered Medical Men for the post of RESIDENT SURGICAL OFFICER. Salary £200 per annum, with board, residence, &c., and the term will be for one year with the option of reappointment for a second year at the discretion of the Board.

The Hospital contains 200 beds.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials (which will not be returned), to reach the undersigned not later than Monday, the 22nd November, 1937. The successful applicant will be required to commence duty on the 1st January next.

The post is recognised for the F.R.C.S. examination.

GEORGE H. DAMS, House Governor and Secretary.

14th October, 1937.

## Croydon General Hospital.

Applications are invited for the post of ANÆSTHETIST on the Honorary Staff of the above Hospital. Candidates for the appointment are requested to forward their applications, together with statements of their qualifications, age, experience, and copies of not more than three testimonials to the undersigned not later than 22nd November, 1937.

The candidate appointed will be expected to attend on Thursday afternoons only.

GEORGE H. DAMS, House Governor and Secretary.

14th October, 1937.

## King George Hospital, Ilford (near London.)
(207 Beds.)

Required, ASSISTANT CASUALTY OFFICER AND HOUSE SURGEON TO SPECIAL DEPARTMENTS (Male). Appointment for six months. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, as soon as possible.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

## University College Hospital,
Gower-street, W.C.1.

Applications are invited for the whole-time post of SURGICAL REGISTRAR for a period of one year from the 1st January, 1938, at a salary of £250 per annum, with lunch.

Applications, accompanied by evidence of fitness for the post, must reach the Secretary by first post on Monday, November 8th, 1937.

## Royal London Ophthalmic Hospital
(MOORFIELDS EYE HOSPITAL), City-road, E.C.1

REFRACTION ASSISTANT—L.C.C. SCHOOL DEPARTMENT.

Applications are invited for the post of Refraction Assistant to the L.C.C. School Department to attend on Mondays and Thursdays at 1.30 P.M.

Candidates must be registered Medical Practitioners.

Salary will be at the rate of £160 per annum.

The Refraction Assistant will be appointed for a period of one year and will be eligible for reappointment.

Copy of regulations governing the appointment can be obtained on application.

Applications, with testimonials, stating age and qualifications, must be received not later than the 1st November, 1937.

A. J. M. TARRANT, Secretary.

## Dreadnought Hospital,
Greenwich, S.E.10. (Seamen's Hospital Society.)—Two half-time non-resident, Male RECEIVING ROOM OFFICERS required immediately for six months. Morning or afternoon sessions with alternate Saturdays 9 A.M. to 12 NOON. Salary at the rate of £100 per annum, with meals.

Applications, stating age, nationality, and experience of House appointments, accompanied by copies of testimonials to be sent in to the undersigned. F. A. LYON, Secretary.

18th October, 1937.

## Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the office of EAR, NOSE, AND THROAT SURGEON (Second) to the Hospital.

Candidates must possess the degree of M.D. or M.B. obtained by examination at a British University and be Fellows of the Royal College of Surgeons of England.

Full particulars of the appointment and details with regard to the submission of testimonials, &c., may be obtained from the undersigned, to whom applications should be returned not later than November 5th, 1937.

GILBERT G. PANTER, Secretary.

## Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the post of FRACTURE OFFICER AND ORTHOPÆDIC REGISTRAR (honorarium £50 per annum).

Full particulars of the office may be obtained from the undersigned, to whom applications should be sent by November 5th, 1937.

GILBERT G. PANTER, Secretary.

# HIS MAJESTY'S COLONIAL SERVICE

## COLONIAL MEDICAL SERVICE

A vacancy exists in TRINIDAD for a MEDICAL OFFICER OF HEALTH (VENEREAL DISEASES SERVICE).

QUALIFICATIONS. Candidates must be British subjects and possess a medical qualification registrable in the United Kingdom. They must hold the Diploma of Public Health and have had special experience in the treatment and administration of venereal diseases.

DUTIES. Attendance at Venereal Diseases Clinics and the treatment and administration of venereal diseases; propaganda and educational work in districts when required, and such other public health duties as may be prescribed by the Director of Medical Services. The officer appointed may be required to serve in any district in the Colony.

SALARY. £600 a year, rising by £25 to £800.

TERMS OF APPOINTMENT. The appointment is pensionable but the officer will be on probation for two years. Private practice will not be allowed.

QUARTERS. A housing allowance of £100 a year is payable.

PASSAGES. The selected candidate, who will be required to proceed to Trinidad as soon as possible, will be provided with free first class ocean passages for himself, and his family, not exceeding five persons in all, on first appointment. Leave passages are not provided. Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (COLONIAL SERVICE), 2, RICHMOND-TERRACE, WHITEHALL, LONDON, S.W.1.

## The Infants Hospital,
Vincent-square, Westminster.

Applications are invited for the post of PATHOLOGIST. The appointment will be a full-time one. Salary at the rate of £700 per annum.

An Assistant will subsequently be appointed.

Applications, with copies of not more than three testimonials, should reach the undersigned not later than November 3rd.

ALFRED J. SMALL, Secretary.

## St. Bartholomew's Hospital.

OFFICE OF ASSISTANT OPHTHALMIC SURGEON.

Notice is hereby given that a Meeting of the Election Committee will be held on Tuesday, 30th November, 1937, at 4 o'clock in the afternoon to elect an Assistant Ophthalmic Surgeon to the Hospital.

Candidates, who must be Fellows of The Royal College of Surgeons of England, are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Saturday, 13th November, 1937.

C. C. CARUS-WILSON, Acting Clerk to the Governors.

19th October, 1937.

## Connaught Hospital,
Walthamstow, E.17.

Applications are invited for the post of HONORARY ANÆSTHETIST to attend at 2 P.M. on Fridays. Candidates should furnish particulars of their qualifications, nationality, age, and previous experience.

Applications should be received on or before Friday, 29th October.

KENELM S. ELLISON, General Secretary.

## King Edward Memorial Hospital,
EALING.
(145 Beds.)

APPOINTMENT OF CONSULTING ORTHOPÆDIC SURGEON.

Applications are invited for the above appointment, and they should be sent by November 8th, 1937, to the undersigned, from whom details may be obtained.

R. A. MICKELWRIGHT, House Governor.

# INSTITUTE OF PSYCHO-ANALYSIS

A Course of Lectures for Medical Practitioners and Students will be held at 96, Gloucester-place, W.1, on Fridays at 8.30 P.M. entitled:

PSYCHO-ANALYSIS OF THE PSYCHOSES.
By Dr. DENIS CARROLL.

November 5. Introductory: Signs and Symptoms.
November 12. Early Theories.
November 19. Ego, Super Ego and Id: Relationship between these Mental Functions.
November 26. Defence Mechanisms.
December 3. Recent Views.
December 10. Diagnosis and Therapy.

Each lecture will be followed by a discussion.

Fees for the Course: Medical Practitioners, 10s. Students, 5s. Single lectures, 2s. and 1s. respectively.

Tickets may be obtained from the Institute by application in writing (enclosing remittance) or at the door.

## West London Hospital,
Hammersmith, W.6.
(239 Beds.)

There is a vacancy for the post of NEUROLOGIST, for which one of the Honorary Physicians will be a candidate. In the event of his election there will be a vacancy for the post of PHYSICIAN, for which one of the Honorary Assistant Physicians will be a candidate. In the event of his election there will be a vacancy for the post of ASSISTANT PHYSICIAN, for which post applications are also now invited. Candidates must have degrees from one of the Universities recognised by the General Medical Council, and must be Fellows or Members of the Royal College of Physicians of London. The successful candidate will be required in addition to other duties periodically to deliver courses of lectures to the Nurses and to undertake such teaching for the Post-graduate College as the Board may approve.

Applications, with copies only of testimonials, must reach me not later than Thursday, 18th November. Candidates must attend the Meeting of the Medical Council at 4.30 P.M. on Friday, 19th November, and prior to that date call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board, but nevertheless must send copies of their application and testimonials to each member thereof and, if so notified, attend a Meeting of the Board at 5 P.M. on Tuesday, 23rd November, when the election will be made.

H. A. MADGE, Secretary.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

COLINDALE HOSPITAL, THE HYDE, HENDON, N.W.9.

(a) ASSISTANT MEDICAL OFFICER (Grade I.).—Salary £350–£25–£425, with board, lodging, and washing.

(b) ASSISTANT MEDICAL OFFICER (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

Experience in the treatment of pulmonary tuberculosis essential for both positions.

There is no accommodation for women officers.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 1st November.

Canvassing disqualifies.

## The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON to commence duties on the 1st January, 1938.

Salary at the rate of £100 per annum.

The appointment is for six months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials to be sent to the undersigned not later than first post on Wednesday, the 10th November, 1937.

CLEMENT COBBOLD, Secretary.

## Royal London Ophthalmic Hospital
(MOORFIELDS EYE HOSPITAL),
City-road, E.C.1.

Applications are invited for the posts of three OUT-PATIENT OFFICERS, two to attend on Mondays and Thursdays, and one to attend on Tuesdays and Fridays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officers will be appointed for a period of one year and will be eligible for reappointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 1st November, 1937.

A. J. M. TARRANT, Secretary.

## Queen Charlotte's Maternity Hospital,
Marylebone-road, N.W.1.

RESIDENT MEDICAL OFFICER (Male or Female) required for the Isolation Hospital (for Puerperal Fever) at Ravenscourt-square, Hammersmith, W.6, to commence duty on the 1st December, 1937.

Appointment for six months, renewable for a further period of six months. The salary is at the rate of £200 per annum, with board, residence, and laundry allowance.

Applications, with copies of testimonials, should be sent to the Secretary by the 26th November, 1937.

## The Royal Infirmary, Sunderland.
(290 Beds.)

HOUSE SURGEON (Male) required to commence duty as soon as possible. Salary £120 per annum, with board, residence, laundry, &c. Applications, stating age and qualifications, and accompanied by copies of testimonials, to be sent to the undersigned. The Infirmary possesses modern equipment and has up-to-date Pathological and X Ray Departments. The Resident Medical Staff consists of a R.S.O. and six others.

The surgical appointments are recognised by the Royal College of Surgeons of England for the six months' training required of candidates before admission to the Final Examination for the Fellowship.

M. J. HUNTLEY, House Governor and Secretary.

## Royal Buckinghamshire Hospital,
AYLESBURY.
(In course of extension to 120 Beds.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER (Male) for six months, to begin duty as soon as possible.

The candidate appointed will be eligible to apply for the senior post when it becomes vacant.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned immediately. F. G. DAWES, Secretary.

## General Infirmary, Salisbury.
(Voluntary Hospital, 191 Beds, now in course of extension to 225 Beds.)

HOUSE PHYSICIAN (Male) required to commence duty 1st December, 1937.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be fully qualified, unmarried, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

## County Borough of Halifax.

HOSPITAL FOR INFECTIOUS DISEASES.

RESIDENT MEDICAL OFFICER (Male, Unmarried).

Applications are invited for the appointment of Resident Medical Officer at the Corporation's Isolation Hospital.

Salary £350 per annum, rising by annual increments of £25 to £450, together with board, residence, and laundry.

Applications must be made on a prescribed form which may be obtained from the undersigned, and should be sent, together with copies of not more than three recent testimonials, endorsed "Resident Medical Officer—Isolation Hospital," to the undersigned so as to be received not later than the first post on November 8th, 1937.

The Council has no superannuation scheme.

Canvassing, directly or indirectly will be a disqualification.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 19th October, 1937.

## Staffordshire, Wolverhampton and DUDLEY JOINT BOARD FOR TUBERCULOSIS.

PRESTWOOD SANATORIUM. (200 Beds.)

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) at the above-named Sanatorium, which is approximately nine miles from Wolverhampton. The successful candidate may also have opportunities of experience in the work of a Dispensary. The appointment will be for six months in the first instance, renewable for a further maximum period of six months.

Salary at the rate of £300 per annum, with board, residence, and laundry.

Forms of application may be obtained from the undersigned, and should be returned by first post on the 4th November, 1937, together with copies of not more than three recent testimonials.

H. L. UNDERWOOD, Clerk of the Joint Board.

County Buildings, Stafford, 19th October, 1937.

## City of Manchester.

CRUMPSALL HOSPITAL. (1543 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 2nd November, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 19th October, 1937.

## City of Exeter.

DEPUTY MEDICAL OFFICER OF HEALTH AND ASSISTANT TUBERCULOSIS OFFICER.

Applications are invited for the appointment of Deputy Medical Officer of Health and Assistant Tuberculosis Officer for the City and County of the City of Exeter at a salary of £550 per annum, rising by four annual increments of £25 each to £650 per annum, together with a car allowance of £50 per annum. The appointment will be subject to deductions in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the person appointed is required to live in a house provided at the City Isolation Hospital, rent and rates free, and valued for the purposes of the Superannuation Act at £80 per annum.

The successful candidate will be required to pass a medical examination.

Candidates, whose age should not exceed forty-five years, must be registered Medical Practitioners (Male) of not less than three years' standing and possess the Diploma in Public Health or its equivalent, and must have special experience in the treatment of infectious diseases; experience in modern methods of the diagnosis and treatment of tuberculosis; and general public health experience.

Canvassing, either directly or indirectly, will disqualify.

Applications, endorsed "Deputy Medical Officer of Health," accompanied by copies of three recent testimonials, must be received by me not later than the first post on Tuesday, the 2nd November, 1937.

Application forms and particulars of the appointment may be obtained from the undersigned.

C. J. NEWMAN, Town Clerk.

10, Southernhay West, Exeter, 19th October, 1937.

## Calderstones Certified Institution for
MENTAL DEFECTIVES, WHALLEY,
Near BLACKBURN, LANCS.

RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male or Female) for the appointment of Junior Assistant Medical Officer. Salary £500 per annum, rising by annual increments of £25 per annum, to a maximum of £600 per annum, from which a deduction of £150 is made for board, lodging, &c. An additional £50 per annum will be paid for possession of the D.P.M.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909 (as amended by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918).

The successful candidate will be required to undergo a medical examination.

Applications, giving particulars of experience, qualifications, &c., together with copies of three recent testimonials, should be sent to "The Medical Superintendent, Calderstones Certified Institution for Mental Defectives, Whalley, near Blackburn" not later than 9 A.M. on Saturday, the 30th October. The envelope must be endorsed in the left-hand corner "A.M.O."

## Surrey County Council.

RICHMOND INSTITUTION. (280 Beds.)

APPOINTMENT OF RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Resident Assistant Medical Officer at the Grove Road Institution, Richmond. The Institution is administered by the Public Assistance Committee of the Council.

Applicants should have had experience as a House Surgeon or Physician. The appointment is for a period of six months, renewable for a further period of six months, and the salary is at the rate of £375 per annum, less a deduction at the rate of £125 per annum in respect of board, lodging, and laundry.

The successful applicant will be required to commence duty early in December, 1937.

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be endorsed "Resident Assistant Medical Officer," and sent to the County Medical Officer, County Hall, Kingston-upon-Thames, so as to reach him not later than 3rd November, 1937.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 19th October, 1937.

## Urban District of Chadderton.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH, SCHOOL MEDICAL OFFICER, AND CHILD WELFARE OFFICER.

The Urban District Council of Chadderton invite applications from gentlemen for the appointment of Medical Officer of Health, School Medical Officer, and Child Welfare Officer. Every candidate must be a duly qualified Medical Practitioner not exceeding forty-five years of age, and must be registered in the Medical Register as the holder of a diploma in sanitary science, public health or state medicine.

The area of the Urban District is 3015 acres, with a population of approximately 30,000.

The appointment will be made subject to the approval of the appropriate Government Departments, the provisions of Section 110 of the Local Government Act, 1933, and the Sanitary Officers (Outside London) Regulations, 1935.

The person appointed will be required to devote the whole of his time to the performance of the duties of the offices, and he will not be permitted to engage in private practice as a Medical Practitioner. He will be required to enter into an Agreement and also to reside within the Urban District.

The Council have fixed April 1st, 1938, as the "appointed day" for the operation of the Local Government and Other Officers' Superannuation Act, 1922, and as the appointment will be subject to the provisions of that Act the successful candidate will be required to pass a medical examination.

The salary will be after the rate of £800 per annum, rising, subject to satisfactory service, by annual increments of £50 to a maximum of £1000 per annum, together with an allowance of £20 per annum in respect of travelling expenses.

Applications, endorsed "Medical Officer of Health, &c.," stating age, particulars of qualifications and local government experience (if any), supported by copies of not more than three testimonials which will not be returned, must be delivered to the undersigned not later than Saturday, the 30th day of October, 1937.

Canvassing, either directly or indirectly, will be deemed a disqualification. J. SCHOFIELD, Clerk of the Council.

Town Hall, Chadderton, Lancs, 12th October, 1937.

## City of Birmingham

SELLY OAK HOSPITAL. (520 Beds.)

JUNIOR MEDICAL OFFICERS (Male).

Applications are invited from fully qualified Medical Practitioners for the whole-time appointments of Junior Medical Officers (Male) at the Selly Oak Hospital, Birmingham. The appointments will be for periods of six months in the first instance, but may be extended at the end of that time for further periods of not exceeding six months.

Salary at the rate of £200 per annum, and full residential emoluments.

Further particulars may be obtained from the Medical Superintendent at Selly Oak Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded not later than Wednesday, 27th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, September, 1937.

## City of Birmingham.

PUBLIC HEALTH DEPARTMENT—TUBERCULOSIS SECTION.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from single registered Male Medical Practitioners for the post of Assistant Resident Medical Officer in the Tuberculosis Section of the Public Health Department. The successful candidate will be employed both in a Sanatorium and in a Dispensary. Candidates should have held a resident general hospital appointment and an appointment in some institution recognised for the treatment of tuberculosis.

The commencing salary will be at the rate of £450 per annum, rising by £25 to £500 per annum, with emoluments valued at £150 per annum, and the appointment will be terminable by one month's notice on either side.

The successful candidate will be required to pass an approved medical examination, to contribute to the superannuation scheme established under the Local Government and Other Officers' Superannuation Act, 1922, as amended by Section 82 of the Birmingham Corporation Act, 1935 (Annuities for Widows), and if under thirty years of age, to join the Birmingham Municipal Officers', Widows' and Orphans' Pension Scheme.

Forms of application and a summary of duties may be obtained from, and should be returned, with three recent testimonials, to the Chief Clinical Tuberculosis Officer, 151, Great Charles-street, Birmingham, 3, not later than the 29th October, 1937.

F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1.

## Royal Hampshire County Hospital,

WINCHESTER.
(167 Beds.)

HOUSE PHYSICIAN.

Applications are invited from fully qualified Men for the above post to take up duties on 1st December next. Six months' appointment. Salary £125 per annum, with board, residence, and laundry.

Candidates, who must be of British nationality, to make application to the undersigned, enclosing copies of three testimonials.

HERBERT MASLEN, Secretary.

7th October, 1937.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS.

Applications are invited from fully qualified Men for the above post.

The appointment is for six months.

Salary at the rate of £150 per annum.

Applications, stating age, together with copies of three recent testimonials, should be sent to the undersigned.

M. H. BOONE, Superintendent and Secretary.

4th October, 1937.

## Royal East Sussex Hospital, Hastings.

Applications are invited for the post of JUNIOR HOUSE SURGEON (Female), vacant 21st November. The appointment is for a period of six months.

Salary at the rate of £150 per annum, with board and residence.

Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary. WILFRID G. KEMSLEY, Secretary.

## Dorset Mental Hospital, Dorchester.

JUNIOR ASSISTANT MEDICAL OFFICER required. Salary £400–£25–£450, with apartments, board, attendance, and laundry valued at £120. £50 extra for D.P.M. Laboratory facilities for research and clinical medicine; three Out-patient Clinics.

STUDY LEAVE MAY BE GRANTED AFTER APPROVED SERVICE.

General hospital experience desirable. Apply, with testimonials and references, to Medical Superintendent.

## Huddersfield Royal Infirmary.

(321 Beds.)

Male HOUSE SURGEON required to be attached to Eye, Ear, Nose, and Throat Department.

Duties to commence on 1st November, 1937.

Salary will be at the rate of £150 per annum, with board residence, and laundry.

Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, Gen. Supt. and Secretary.

## Huddersfield Royal Infirmary.

(321 Beds.)

Male HOUSE SURGEON required to commence duty on 1st November, 1937.

Salary £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal at the discretion of the Board of Management.

The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, Gen. Supt. and Secretary.

## Berks and Bucks Joint Sanatorium,

PEPPARD COMMON, OXON.
6 miles from Reading.
183 Beds for men, women and children for the treatment of pulmonary tuberculosis.

MEDICAL SUPERINTENDENT.

Applications are invited from registered Medical Practitioners for the appointment of a Medical Superintendent, who will be required to take up his duties on 1st April, 1938.

Candidates, who should be under forty-five years, should possess the qualifications prescribed by Article 3 of the Local Government (Qualifications of Medical Officers and Health Visitors) Regulations, 1930, and must have had experience in general clinical work in tuberculosis and in institutional administration.

The salary will be £800, rising every two years by increments of £50 to £1000. From this will be deducted the value of the following emoluments: house free of rates, together with light, water, fuel, laundry, and produce from the Sanatorium garden, the total to be agreed but estimated at a minimum of £130 per annum.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and will be terminable by three months' notice in writing on either side.

The successful candidate will be required to devote his whole time to the duties of the office and must not engage in private practice nor accept fees other than those of the National Health Insurance panel for resident members of the staff.

Applications on the prescribed form in candidates' own writing, together with *copies* of three recent testimonials, must be received by November 6th in an envelope endorsed "Medical Superintendent," and addressed to the undersigned, from whom the prescribed form can be obtained.

A travelling allowance is made while on Sanatorium business.

The annual vacation is one month.

Canvassing, directly or indirectly, will disqualify.

The Sanatorium can be visited by appointment with the Superintendent, from whom further particulars can be obtained.

H. A. FOLEY, Clerk to the Joint Committee.

County Hall, Aylesbury, Bucks, 9th October, 1937.

## Doncaster Royal Infirmary and DISPENSARY.

(185 Beds.)

(Recognised under the regulations for the D.O. and D.L.O.)

HOUSE SURGEON (Male) to Eye and Ear, Nose and Throat Departments required immediately.

Salary at the rate of £175 per annum, with board, residence, and laundry. Candidates willing to remain one year preferred.

Applications, accompanied by not more than three testimonials, to be sent to the undersigned.

R. LANCASTER, Secretary Superintendent.

## Manchester Royal Eye Hospital.

JUNIOR HOUSE SURGEON required. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management not later than 29th October, 1937.

H. R. NORTH, Gen. Supt. and Secretary.

## Lancashire Mental Hospitals Board.

BROCKHALL CERTIFIED INSTITUTION FOR MENTAL DEFECTIVES, LANGHO, NEAR BLACKBURN.

Applications are invited for the whole-time appointment of MEDICAL SUPERINTENDENT at the above Certified Institution.

The salary is £950 per annum, rising by annual increments of £100 to a maximum of £1350 per annum, with emoluments for pension purposes valued at £150 per annum.

The appointment will be subject to the provisions of the Asylums and Certified Institutions (Officers' Pension) Act, 1918.

Applicants are required to submit their applications on a form to be obtained from the undersigned, and such applications, endorsed "Medical Superintendent," should be sent to or delivered at my office not later than 12 NOON on Thursday, the 4th November, 1937.

Canvassing, either directly or indirectly, will be a disqualification. GEORGE ETHERTON, Clerk of the Board.

County Offices, Preston, October, 1937.

## Lancashire Mental Hospitals Board.

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENTS.

Applications are invited for the following whole-time appointments:—

Deputy Medical Superintendent, County Mental Hospital, Lancaster.

Deputy Medical Superintendent, County Mental Hospital, Winwick.

The salary in respect of each appointment is £750 per annum, rising by annual increments of £25 to a maximum of £850. An additional £50 per annum will be paid for the possession of a Diploma in Psychological Medicine.

The appointments will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applicants are required to submit their applications on a form to be obtained from the undersigned, and such applications, endorsed "Deputy Medical Superintendent, Lancaster/Winwick," as the case may be, should be sent to or delivered at my office not later than 12 NOON on Thursday, the 4th November, 1937.

Canvassing, either directly or indirectly, will be a disqualification. GEORGE ETHERTON, Clerk of the Board.

County Offices, Preston, October, 1937.

## City of Manchester.

BAGULEY SANATORIUM. (333 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (Grade 2) at the Baguley Sanatorium.

The salary for the appointment is £250 per annum, with board, residence, and laundry, in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, by whom applications must be received not later than November 3rd, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 3, October 14th, 1937.

## Forster Green Hospital

FOR CONSUMPTION AND CHEST DISEASES, FORTBREDA, BELFAST.

A vacancy for a HOUSE PHYSICIAN will occur on 1st December. The appointment will be for a period of six months, renewable for a further six months.

Salary £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to be sent to the Secretary, 99, Scottish Provident-buildings, Belfast, on or before Saturday, 6th November, 1937.

Canvassing will be a disqualification.

## Altrincham General Hospital.

(100 Beds. 2 Residents.)

Applications are invited for the posts of SENIOR and JUNIOR HOUSE SURGEONS. Salaries £150 and £120 respectively, with board, washing, &c., to commence duty on 1st December, 1937. Six months' appointment. The Junior Resident is eligible for the Senior post at the end of that period.

Applications, stating age, nationality, experience, &c., to be addressed to the undersigned not later than 28th October, 1937.

E. A. BIDEN, Secretary.

## City and Port of Plymouth.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Men for the post of Assistant Medical Officer of Health to the City and Port of Plymouth.

Applicants should not be more than thirty-five years of age and must possess a Diploma in Public Health, or a qualification in State Medicine, or a Diploma in Tropical Medicine.

The person appointed will be required to act as Boarding Medical Officer at the Port, and he will also assist in the General Public Health work in the City. Preference will be given to applicants having experience in Tuberculosis and Venereal Diseases. The successful applicant will be required to act under the general supervision of the Medical Officer of Health, and to carry out any duties delegated to him from time to time.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700 per annum.

The appointment is whole time, and the person appointed will be required to refund to the Council any fees received by him in respect of any work, where such work is undertaken by virtue of his office or is in consequence of his being a medical officer of the Corporation.

The post will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, and will be terminable by two months' notice on either side.

The person appointed will be required to pass a medical examination.

Forms of application may be obtained from the undersigned and should be returned, together with copies of not more than three recent testimonials, on or before Wednesday, 10th November, 1937. Envelopes must be endorsed "Assistant Medica Officer of Health."

T. PEIRSON,
Medical Officer of Health, City and Port of Plymouth.
Town Hall, Stonehouse, Plymouth,
16th October, 1937.

## Borough of Reigate.

ASSISTANT MEDICAL OFFICER (PART-TIME).

Applications are invited from qualified and registered Medical Practitioners (Female) for the above-named appointment. Applicants must possess a qualification in Public Health, and have had experience in the Medical Inspection of School-children, in Maternity and Child Welfare, and in the examination and certification of mentally defective children. The officer appointed will work under the direction of the Medical Officer of Health, and will be required to devote five mornings and three afternoons each week to the work. Salary £450 per annum.

The appointment will be subject to the approval of the Ministry of Health and of the Board of Education, and to the successful candidate passing a medical examination. The appointment may be determined at any time by two months' notice.

Applications should be made on forms obtainable from the undersigned, to whom the completed forms should be returned, together with copies of three recent testimonials, not later than noon on Saturday, 6th November, 1937.

Canvassing in any form will be a disqualification.

HEBER DAVIES, Town Clerk.

Town Hall, Reigate, 14th October, 1937.

## Royal Manchester Children's Hospital,

PENDLEBURY, near MANCHESTER.

(232 Beds.)

RESIDENT SURGICAL OFFICER.

Applications are invited for the post of Resident Surgical Officer. Salary £150 per annum. The appointment is for a period of six months commencing December 1st.

Candidates must be unmarried and duly registered. Previous Hospital experience essential. Candidates holding, or working for, a higher surgical qualification preferred.

Applications, stating age and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned not later than Monday, 1st November. Canvassing, directly or indirectly, may disqualify.

By order.

H. HEARDMAN, Secretary.

## Will Edmonds Clinical Research Fund.

Applications are invited for a FELLOWSHIP under the above Fund. The Fellow elected will receive a salary of £500 per annum, and must devote his whole time to clinical research in a Metropolitan Hospital. He will be eligible for re-election annually up to five years.

Further particulars and form of application, which should be returned by November 8th, may be obtained from the Hon. Secretary, 68, Great Cumberland-place, W.1.

## PATHOLOGIST TO THE KANEMATSU MEMORIAL INSTITUTE OF PATHOLOGY, SYDNEY HOSPITAL, SYDNEY, N.S.W., AUSTRALIA

Applications are invited from Medical Graduates for the post of Senior Pathologist of Sydney Hospital, at a salary of £900, rising by yearly increments of £50 to £1000 per annum (Australian currency). The successful applicant will work under Dr. J. C. Eccles, the Director of the Institute, and will be responsible for the post mortem work and morbid histology of the Hospital. In addition, he will be required to engage in the informal instruction of students, and there will be ample opportunity for pursuing original investigations.

The appointment will be for a period of five years and the successful applicant will be eligible for reappointment at the completion of this term.

Applications (six copies), together with details of experience in Morbid Anatomy, a list of publications, a medical certificate of health, and a recent photograph should be forwarded to the Secretary, Sydney Hospital, and reach him by January 31st, 1938, on which date the applications will close. The successful applicant will be expected to commence his duties not later than July 1st, 1938. Travelling expenses up to a maximum of £150 sterling will be allowed. Further information concerning the appointment may be obtained from

THE SECRETARY,
Universities Bureau of the British Empire,
88a, Gower-street, London, W.C.1.

## Great Barr Park Colony.

(CERTIFIED INSTITUTION FOR MENTAL DEFECTIVES.)

Applications are invited for the post of JUNIOR (Male) ASSISTANT RESIDENT MEDICAL OFFICER. Salary £275 per annum, with board, residence, and laundry. The appointment is for a period of twelve months and offers good experience in Mental Deficiency to a recently qualified Medical Practitioner entering the Public Health or Mental Services. Residence at this Colony is recognised for the D.P.M. of the Conjoint Board.

Applications, with copies of not more than three recent testimonials, should be sent to the Medical Superintendent, Great Barr Park Colony, near Birmingham, not later than 5th November, 1937.

## Stirling District Mental Hospital,

LARBERT.

JUNIOR ASSISTANT MEDICAL OFFICER required (Male). Salary commencing at £300 per annum, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

## Northamptonshire County Council.

ASSISTANT MEDICAL OFFICER (WOMAN).

The above Council invite applications from fully qualified Medical Women for the appointment of Assistant Medical Officer for Maternity and Child Welfare and School Medical Inspection.

The inclusive salary will be at the rate of £600 per annum, rising by increments of £25 to a maximum of £700, subject to a deduction of 5 per cent. for superannuation under the Local Government and Other Officers' Superannuation Act, 1922. Travelling and subsistence allowances will be on the scale from time to time approved by the County Council.

Applicants should have had at least three years' experience in the practice of their profession and (1) be registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health or State Medicine, (2) have held the appointment of Resident Medical Officer in a maternity department for a period of not less than six months, and (3) within the last two years have had not less than one year's continuous experience in some branch of obstetric work.

The officer appointed will work under the direction and control of the County Medical Officer of Health, and while the principal duties will be in connexion with maternity and child welfare and school medical inspection, she will also be required to perform such other duties as may be assigned to her by the County Council and the County Medical Officer of Health.

The officer will be required to devote her whole time to the duties of the office and to reside in a place approved by the Council.

The candidate appointed will be required to pass a medical examination.

The appointment will be determinable upon three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than 8th November, 1937.

Canvassing will disqualify.

H. S. MARTIN, Clerk of the County Council.
County Hall, Northampton, 18th October, 1937.

## Royal Southern Hospital, Liverpool, 8.

Wanted immediately, One HOUSE SURGEON. Salary at the rate of £60 per annum, with board and residence.

The appointment is tenable until 31st March, 1938.

Applications and copies of testimonials to be sent to the undersigned. FRANK SOLMAN, Superintendent and Secretary.

12th October, 1937.

## Royal Infirmary, Blackburn.

(244 Beds. Five Residents.)

HOUSE SURGEON (Male) required. Salary £175, with board, residence, laundry, &c.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible.

T. DEWHURST, General Superintendent and Secretary.

Royal Infirmary, Blackburn.

This Institution is recognised for the Surgical Practice required for the F.R.C.S. Examination.

## The St. Helens Hospital.

Applications are invited for the position of JUNIOR HOUSE SURGEON (Male) to this Hospital, at a salary of £150 per annum plus board, residence, and laundry.

Applications, accompanied by three recent testimonials, to be sent to the Secretary, The St. Helens Hospital, St. Helens, Lancashire, not later than the 30th October.

Applicants are requested to state when they could commence duties.

## St. Bartholomew's Hospital, Rochester.

(126 Beds.)—Four Residents.

The House and Finance Committee invite applications for the post of HOUSE SURGEON, which will become vacant on the 1st December, 1937.

Candidates must be unmarried, qualified and registered Medical Men. The appointment is for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, experience, &c., accompanied by copies of two testimonials or one from the Dean of the candidate's Medical School, should be received by the Superintendent-Secretary not later than 4th November, 1937.

Canvassing the Honorary Staff will disqualify.

## The Gloucestershire Royal Infirmary

AND EYE INSTITUTION, GLOUCESTER.
(225 Beds. Five Residents.)

Applications are invited for the post of HOUSE SURGEON (Male) to the Ear, Nose, and Throat Department. Salary at the rate of £150 per annum, with board, residence, and laundry.

The Hospital is recognised for the D.L.O. and the F.R.C.S. final examinations.

The appointment is for six months, which may be extended for similar periods by re-election from time to time.

Applications, stating age, qualifications, experience, and nationality, with copies of not less than three recent testimonials, should be sent to the undersigned not later than Friday, November 5th.

The elected candidate will be required to enter upon his duties on the 1st December. F. J. SYMONS, Secretary.

October 21st, 1937.

## City of Birmingham.

ROMSLEY-HILL SANATORIUM. (120 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for a Resident Assistant Medical Officer. Candidates must be unmarried, and have held a resident hospital appointment since qualifying. Experience in the diagnosis and treatment of tuberculosis will be a recommendation.

The appointment will be limited in the first instance to six months, and, subject to satisfactory service, may be extended for a further six months. The salary will be at the rate of £240 per annum for the first six months, and £275 per annum for the second six months, with board and residence in each case.

Forms of application may be obtained from the Medical Superintendent, Romsley-hill Sanatorium, Halesowen, near Birmingham, and should be returned to him not later than Wednesday, November 3rd, 1937.

F. H. C. WILTSHIRE, Town Clerk.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the following posts:—

1. SECOND HOUSE SURGEON (Male) vacant November 5th. Salary £150.
   The post is recognised by the Royal Colleges for the F.R.C.S. Examinations, and is also approved by the University of London for the M.S. Branch 1 (Surgery) Examination.
2. FIRST CASUALTY OFFICER (Male). Vacant November 1st. Salary £150.
   In addition to carrying out duties in the Casualty Department the Officer appointed will act as House Surgeon to one of the Honorary Assistant Surgeons, and will thus gain Ward and Theatre experience. He will be eligible for promotion to a more senior post when a vacancy occurs.

In each of the above posts salary is plus board, residence and laundry.

The appointments will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, stating age, experience, and nationality together with copies of recent testimonials, should be addressed to the undersigned.

18th October, 1937 R. J. CARLESS, House Governor.

**Leicestershire and Rutland Mental** HOSPITAL, NARBOROUGH, near LEICESTER.

ASSISTANT MEDICAL OFFICER required. Commencing total salary and emoluments valued at £500 per annum, rising by £25 per annum to £600.
In addition £50 per annum will be given if the officer holds or obtains the D.P.M.
Married quarters are available under certain circumstances.
Full details on application to the Medical Superintendent.

**Royal Albert Edward Infirmary and** DISPENSARY, WIGAN.
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HONORARY ASSISTANT OPHTHALMIC SURGEON.
The Board of Management invite applications for the above appointment from Surgeons specialising in this work. Honorarium £100 per annum.
Applications in duplicate, stating age, qualifications, together with copies of three testimonials, should be addressed to the undersigned as soon as possible from whom further particulars of the duties of the office can be obtained. Canvassing will be a disqualification.
A. STANLEY BRUNT, General Supt. and Secretary.
18th October, 1937.

**The Royal Army Medical Corps** ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

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**Practice required, preferably coastal** district. Fees £1000 upwards. Capital available £3000–£4000.—Write, Box 896, SELLS Ltd., Brettenham-house, Strand, W.C.2.

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2. CHISWICK.—Old-estab. producing about £700 p.a., including a panel of about 500 patients. Receipts have declined owing to illness of Vendor, and it is believed there is scope for increase. Well situated corner house available. Premium for Practice and house £2100.
3. LONDON, EAST.—Estab. 30 years and producing £1400 p.a. approx. Panel of about 1800 and appointments worth about £236 p.a., including in total gross cash receipts. Small house on rental at £60 p.a. Accommodation, apart from surgery, &c., consists of 1 sitting room and 2 bedrooms. Premium 2 years' purchase
4. ESSEX.—Well-estab. PRACTICE producing for past 12 months about £1500, including a panel of over 1800 patients. Expenses are small. Fees 2s. 6d., and visits 3s. 6d. The Practice is stated to be increasing steadily. Good house containing surgery, waiting room and dispensary, 2 reception and 4 bedrooms for disposal. Garage and garden. Price £2000. Premium £3000.

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8. SUSSEX COUNTRY.—Good nucleus with scope for further increase. Receipts 1935, £467; 1936, £628; 1937, for 7 months, £452. Panel produces about £267 included in above. Good house on rental.
9. MIDLANDS.—COUNTY TOWN.—Half Share PARTNERSHIP available in a well-estab. PRACTICE producing about £2500 p.a., including a panel of 3046 patients. Suitable house for disposal. Premium £2400.
10. HOME COUNTIES.—RESIDENTIAL TOWN.—PARTNERSHIP.—A one-fourth Share, with increase later, is for disposal (after a preliminary assistantship of 6 months if wished) in a particularly sound mixed-class Practice offering good surgical scope. Gross cash receipts for last 12 months stated to be approximately £4800. Panel of about 2000, and good appointments worth about £360 p.a. Visits 3s. 6d. to 21s. Choice of houses. Ingoing partner must have the Fellowship, have had hospital surgical experience, and be accustomed to better-class work, preferably married and not over 34 years of age.
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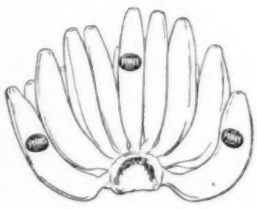

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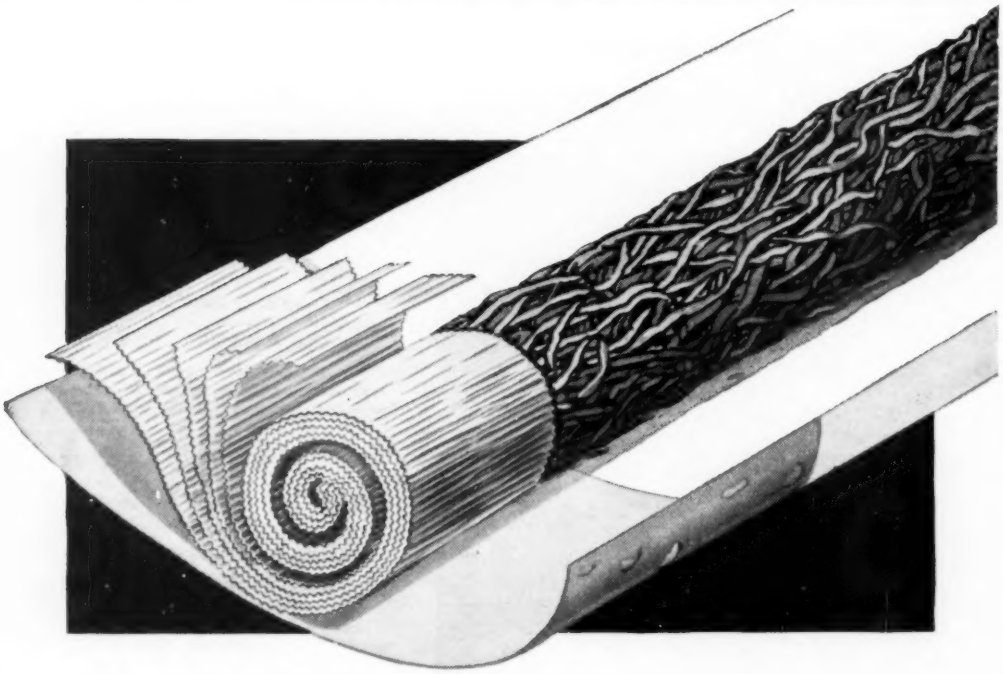

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One fluid drachm contains the hæmopoietic principle of two ounces of fresh liver with one grain of iron and a trace of copper.

*DOSE: One or two teaspoonfuls per day will be found sufficient in the majority of cases.*

*Issued in 2-oz. bottles,* **8/6** *each.*

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## Evans Sons Lescher & Webb Ltd.

*Manufacturers of Fine Chemical, Pharmaceutical & Biological Products*

**LIVERPOOL AND LONDON**

# Prostatic Hypertrophy

**During recent years many physicians have reported favourably on the treatment of this condition by the adequate administration of the prostate gland preparations of the British Organotherapy Co., Ltd.**

**Extracts from letters :—**

"I would like to add how very pleased I am with the results from 'Opojex' and 'Opocaps,' which I have used during the last two months. My patient's condition has improved tremendously and he now enjoys much better health, his desire for micturating being much less frequent and without pain, in fact, getting towards normal."

"Will you kindly send me 200 "Opocaps" Prostatic (B.O.C.) gr. 3.
My patient is down to twice nightly instead of 4 to 6 times after 60 doses.
Most gratifying." F.R.C.S.I., M.D.

℞ **"Opocaps" Prostatic (B.O.C.), gr. 3** (for oral administration)
**Mitte - - - sig. 1 t.d.s., a.c.**
*(Supplied in boxes of 50 or 100.)*

**Also "Opojex" Prostatic (B.O.C.)** (for injection)
**Mitte - - - - sig. 1 in die (or dieb. alt. when given concurrently with "Opocaps")**
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The process of homogenisation applied to fruits, vegetables and soup does far more than commercial or home "straining" can achieve. It actually breaks down the cell-walls of the foods, so that besides releasing more nourishment, it renders them harmless to the most delicate infant digestive system. Nestlé's Homogenised Foods are of such a milk-like consistency that they can be given in the bottle with the milk if necessary, and enable the administration of valuable fruits and vegetables to infants even of four months. An interesting Booklet about recent research into the homogenisation of fruits and vegetables is now ready, and will be sent on receipt of the coupon, together with gratis supplies for your own clinical testing.

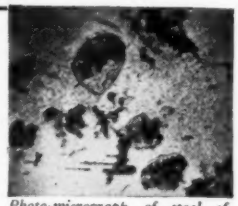
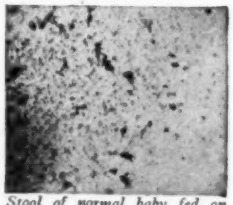


*Photo-micrograph of stool of normal baby fed on commercially-strained vegetables.*



*Stool of normal baby fed on Nestlé's Homogenised Vegetables.*

Please send me full details of Nestlé's Homogenised Fruits, Vegetables and Soup, together with a gratis supply for clinical trial.

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ADDRESS.....

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To: Messrs. Nestlé's Milk Products Ltd., (Dept N29) 6 & 8, Eastcheap, London, E.C.3

*Nestlé's*

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**FRUITS, VEGETABLES, SOUP**

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## Better Salicylate Therapy

WHATEVER be the season of the year, there is a wide sphere of utility for "Alasil," the improved form of salicylate medication. "Alasil" is a very definite advance on ordinary compounds of salicylic or acetyl-salicylic acid both in therapeutic efficiency and in freedom from unpleasant gastro-intestinal sequelæ. This high tolerability is due to the fact that "Alasil" is composed of calcium acetyl-salicylate—the least irritating of the salicylate compounds—and "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid.

A careful series of experimental tests has recently shown that "Alasil" is more completely absorbed than ordinary salicylate compounds, and that it is practically free from the risk of liberating free salicylic acid in the stomach. Wide clinical experience anticipated these findings by demonstrating that the use of "Alasil" can be pushed or prolonged to a much greater extent than ordinary salicylate compounds, and that it can be given with equal safety to children, adults, the aged, and patients with finely-balanced digestive capacities.

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*Laboratories and Works:* King's Langley, Herts.

M269

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Combines the action of 'Ephetonin' in removing vascular insufficiency with that of a new substance, isopropylidenehydrazidepyrazinecarboxylate, in increasing the total work-capacity of the heart. For all circulatory disorders and weakness, constitutional hypotonia, prophylactically and therapeutically in surgery, and in chronic heart insufficiency.

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It is prepared from the finest Norwegian Oils by a process which cannot destroy the Vitamins, and has been recommended for over 80 years by the leading medical authorities in the treatment of CONSUMPTION, DISEASES OF THE THROAT AND CHEST, RHEUMATISM, ASTHMA, RICKETS and other INFANTILE complaints, and ALL WASTING DISEASES.

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# for HÆMORRHOIDS

AND OTHER INFLAMMATORY AND PAINFUL CONDITIONS IN THE ANO-RECTAL REGION.

**ANUSOL** *BRAND* **OINTMENT**

**NOW AVAILABLE** in addition to the well-known

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## A Food for the Sick

Which measures up in the present day science and concept in nutrition—established as a resource of especial value by the extensive experience of clinical test.

'PANOPEPTON' is the entire substance of beef muscle as brought into hydrolysed solution in contact with gastric mucosa juice. This in combination with the substance of wheat berry as converted into solution by pancreas gland tissue juice.

'PANOPEPTON' presents for the nutrition of the sick these basic food materials in the form in which they are set free and elaborated in the normal digestive scheme.

'PANOPEPTON' is a food—agreeable—grateful, even to the very sick, requires no preparation.

***Supplied in 12-oz. bottles.***

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**Burroughs Wellcome & Co.,**
*LONDON, SYDNEY, and CAPE TOWN.*

FOR ALL AGES AT ALL SEASONS

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**THE VEGETABLE LAXATIVE**

KASENA is a very pleasant and non-griping aperient prepared by a special process from matured Cascara Bark and selected Senna Leaves. Both are well known and very reliable aperients and Kasena offers the Physician a trustworthy means of prescribing them when their use is indicated.

KASENA retains the full activity of its constituents and is specially suitable for elderly and delicate persons and for children.

It is invaluable in habitual constipation.

KASENA is supplied in bottles at 1/9, 3/- and 5/6. Postage 6d. extra.

*Prepared by* **SQUIRE & SONS, Ltd.,** *Chemists on the establishment of the King*
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Otitis media, Otalgia

For the conservative treatment of Otitis Media, Inflammation of the Tympanum and Tympanic Membrane, and complications of the ear arising from coryza, Influenza and other infectious diseases.

**Bottles of - - 6 cc. and 10 cc.**

N.B.—The Name **OTALGAN has NEVER BEEN CHANGED**

# Tyronorman

a Thyroid-inhibitory Substance
**free from iodine,**
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effective by oral administration, without addition of any medicinal agent, for conservative treatment of
**Graves' Disease,**
**Thyreotoxicoses,**
disturbances of milk secretion of thyreogenic origin, iodine-free pre- and post-operative treatment in Graves' disease.

**Accurately standardised:**
1 tablet = 10 antithyroid units.

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# FRUIT SALINE

a pleasant effervescent preparation especially suitable for the relief of headache, nausea, flatulence, sickness and constipation. Ideal as a cooling drink in hot weather. It may be prescribed for Diabetics as it contains no sugar.

Full size trial sample to any medical practitioner in Great Britain on application to BOOTS THE CHEMISTS, STATION STREET, NOTTINGHAM.

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Obtainable from all branches of

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**OVER 1150 BRANCHES THROUGHOUT GT. BRITAIN**

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## In Nervous States

A STUDY of the manifestations of nervous disorders, such as neurasthenia, hysteria and the various types of neurosis, shows that there is frequently an associated impairment of the general nutrition of the patient. Conversely, it is found in practice that measures taken to improve the nutrition of the patient are generally followed by a definite amelioration of the nervous state.

'Ovaltine,' in addition to its well-known high nutritive value, exerts a distinct sedative effect on the nervous system, which renders its use of special benefit in the treatment of functional nervous states. Where insomnia is an additional feature, its use before retiring is conducive to restful sleep.

'Ovaltine' is a natural food tonic prepared from full-cream milk, new-laid eggs and malt extract. It is rich in the Vitamins A, B (complex) and D and in readily assimilable calcium, phosphorus and iron. Its carbohydrate content is chiefly in the form of quickly-available maltose.

*A liberal supply for clinical trial sent free on request.*

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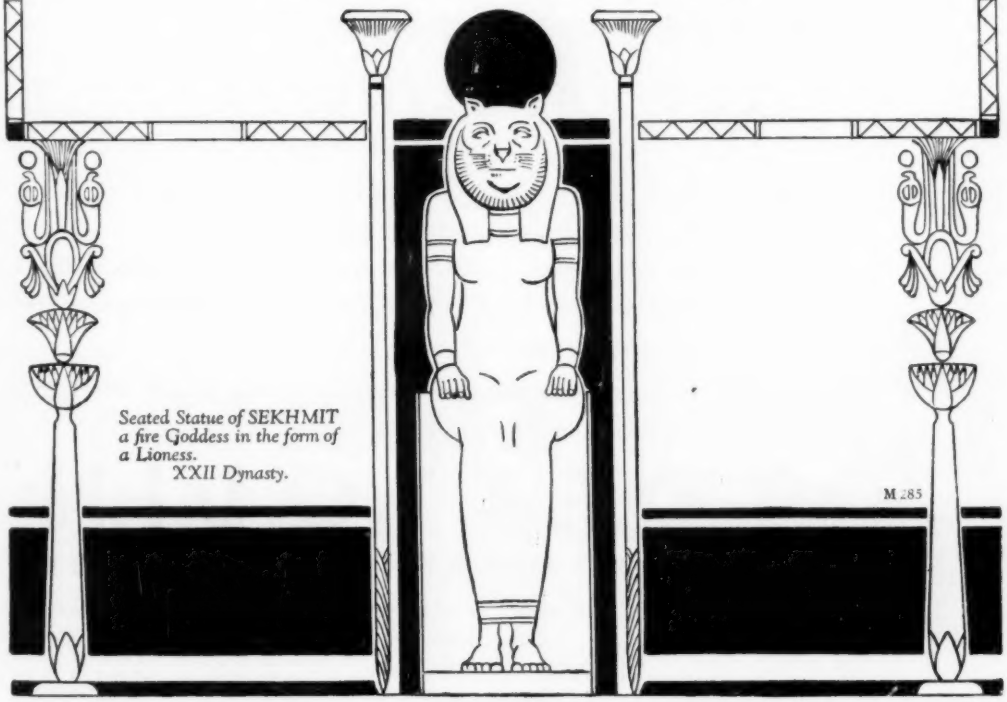

## *The Treatment of Amblyopia*

It would appear logical that the toxic amblyopias, being apparently due to constriction of the arterioles, should be treated with a vaso-dilator substance such as acetylcholine.

This hypothesis has been confirmed by the results of clinical trials (Brit. Med. Journ., July 11, 1936, p.69) undertaken with Acetylcholine B.D.H. in which the value of this therapy, particularly in tobacco amblyopia, was demonstrated, the dosage recommended being 0.1 gramme daily by intramuscular injection.

In the series of cases reported upon it was stated that they formed '. . . a very severe test for any therapeutic agent in this condition . . . it must be agreed that the results are exceedingly good'.

Acetylcholine B.D.H. is issued for intramuscular injection in a stable solution of its bromide.

# ACETYLCHOLINE B.D.H.

*Sample on request*

*THE BRITISH DRUG HOUSES LTD. LONDON N.1*

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# "AND KEEP ON WITH THE GARGLING"

'Dettolin' is a highly efficient mouthwash and gargle containing as one of its ingredients the active germicidal principle of 'Dettol.' In the treatment of inflamed and septic throats it has been found invaluable, since with its high germicidal effectiveness it combines an agreeable taste and smell.

'Dettolin' will be welcomed especially by the patient for whom a sustained routine of gargling is essential.

# 'DETTOLIN' BRAND

## MOUTHWASH AND GARGLE

*'Dettolin' is obtainable through Chemists and Medical Suppliers, price 1/6. Samples and full information on request.*

RECKITT AND SONS, LTD. (PHARMACEUTICAL DEPT.) HULL. LONDON: 40 BEDFORD SQ. W.C.1

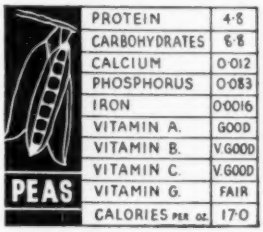
# VEGETABLE PURÉES IN PEDIATRICS

## *A solution to the problem of home preparation*

THE markedly improved nutrition and successful tolerance by infants to strained vegetables and fruits is rapidly securing a universal popularity for this dietary.

In theory there is no more desirable way of meeting systemic acidity, nutritional anaemia and supplying dietary bulk for intestinal residue in a non-irritant form.

In practice however, defects in the home preparation of purées retard or defeat the end in view. The vegetables used are not fresh, overmuch water or boiling in uncovered kettles reduces the mineral and vitamin content, and coarse sieving allows harsh fibre to pass.




*A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)*

In consequence there is a growing demand on the part of physicians and mothers for such a product that shall have the highest possible nutritive value, and complete uniformity. Their attention having been drawn to this, the H. J. Heinz Company decided that here was a legitimate extension of their services in view of their wide buying resources and long experience in the preparation of foods.

This company is accustomed to buying vegetables in those regions where they grow best, and to dealing with them within a few hours of their harvesting at the correct season of the year. This last is, of course, highly important.

The best factory practice is inevitably better than home preparation, however careful. After scrupulous cleaning, for example, vegetables are cooked in the Heinz factories under light steam pressure with exclusion of air until just soft enough to be comminuted by extrusion and cutting. The whole process is so regulated that the juices of the vegetables are retained throughout, there are no mechanical losses of mineral salts, vitamins or other soluble nutrients, and the resulting purée is adjusted to the proper consistence for satisfactory marketing.

Before filling and sealing, the product is subjected to a process for the removal of any absorbed air, and sealing takes place *in vacuo*. Finally, the sealed containers are immediately sterilised under known conditions of time and temperature. By these means are secured the high nutritional qualities, uniformity and convenience that physician, mother and patient desire.

*NOTE.—Heinz Strained Foods are not packed in glass, for it has been found that light has an adverse action on vitamin content and palatability. The containers have a special lining that eliminates possibility of metallic contamination.*

# HEINZ
# STRAINED FOODS

★ ***Fully explanatory literature and samples gladly sent on request. Or if desired a special representative will be happy to call.***

SPINACH
TOMATOES
CARROTS
VEGETABLE SOUP
PEAS
GREEN BEANS
MIXED GREENS
BEETS
PRUNES
CEREAL
APRICOTS and APPLE SAUCE

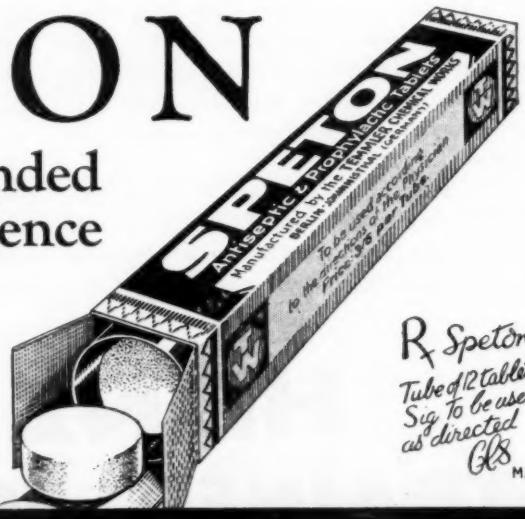
H. J. HEINZ COMPANY LIMITED, HARLESDEN, LONDON, N.W.10

# *Contraceptive difficulties . . .*

## In such cases

# SPETON

## can be recommended with every confidence




℞ Speton
Tube of 12 tablets
Sig. To be used as directed
GLS M.D.

Obtainable upon prescription through the pharmacist. On sale throughout the Dominions.

*Wholesale Distributors for the United Kingdom and the Dominions :—*

**COATES & COOPER, LTD.**

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# Where the slightest digestive strain must be avoided

COMPLETE absence of irritants and solid precipitation makes Brand's Essence unique as a meat stimulant, and of exclusive value where the system should not support the slightest unnecessary strain. Brand's contains a highly soluble form of protein that can be digested even when organic disorder of the stomach or intestines has seriously reduced the gastric ferments and their sensitivity to stimulation. As a protein-sparer Brand's is highly efficient.

# BRAND'S CHICKEN OR BEEF ESSENCE

*is never contra-indicated*

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TRADE MARK BRAND

CARBROMAL

## SEDATIVE AND MILD HYPNOTIC

For over twenty years 'Adalin' has established itself as a **SEDATIVE** and **MILD HYPNOTIC** which, though efficient in action, can be regarded as *particularly safe*. It is not a poison and is exempted from the new poison regulations.

- MILD INSOMNIA in general
- NEURASTHENIA
- HYSTERIA
- CHOREA
- CARDIAC NEUROSES
- SEXUAL NEUROSES
- ANXIETY STATES
- PAEDIATRICS

The physician need not fear to prescribe 'Adalin' even to careless or young patients, in whose hands a powerful hypnotic would be a potential source of danger. 'Adalin' may safely be given to infants of nervous and restless disposition, and in conditions which preclude sleep, such as whooping cough, pneumonia, and infectious diseases.

**'ADALIN' IS NOT SUBJECT TO THE POISON REGULATIONS**

*'Adalin' is issued in 5 grain tablets in bottles of 25, 100, 250 and 1,000, also in 7½ grain tablets in tubes of 10 and 20*

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BAYER

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REG. TRADE MARK

*THE ORIGINAL BRAND OF SYNTHETIC HYDRATED MAGNESIUM TRISILICATE*

Ensure that your patients receive the true artificial Sepiolite by prescribing:—

**MAGSORBENT BRAND**

Magsorbent conforms accurately to the dictates of the constitutional formula and yields the pure diffraction radiograph of the natural mineral—vide B.M.J. 1937. 2, 735.

**ANTACID ACTION**

Correct control of acidity by sustained neutralisation and auto-regulation. (Antacid vigour adjusts itself to the degree of hyperacidity.)

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**MAGSORBENT DOES NOT INDUCE TOXIC ALKALOSIS**

Supplied in Tablets and Powder.

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# The 'Circulatory Grid' in Hyperpiesia

## 'High Voltage' and 'Low Current'

## VASO-DILATOR 'STEPPING-DOWN' OF PRESSURE

The high voltage electrical power provided by the principal generating station would give relatively little utilisable current in our homes were it not for the "stepping-down" of power in the substations of our national grid system.

In Hyperpiesia, the peripheral resistance is too great, and despite the high blood-pressure, too small a current of utilisable blood flows through to the tissues. Pharmacological and clinical evidence proves that 'Phyllosan' brand of chlorophyll tablets "steps-down" the blood pressure, *opens up the meshes of the arteriolar grid* by dilating the blood vessels, while maintaining the force of the principal power-station of the circulation—the cardiac pump.

*Rentz (Upsala University): "Some investigations into the Pharmacological properties of Chlorophyll."*

A PAMPHLET★

# Hyperpiesia, Metabolic Disorders and the Anaemias

## Recent Advances in Medical Practice

A review of the experimental and clinical evidence for the use of

# 'PHYLLOSAN'

BRAND OF CHLOROPHYLL TABLETS

in Modern Therapeutics

★ Members of the medical profession are invited to write for a free copy of this publication and a trial supply of 'Phyllosan' tablets

**NATURAL CHEMICALS LTD., 12 CLIPSTONE STREET, LONDON, W.1**

*The registered trade mark 'Phyllosan' is the property of and denotes the products of Natural Chemicals Ltd., London*

*Indicated in*

**CORYZA, CATARRH, RHINITIS, SINUSITIS, HAY FEVER, PHARYNGITIS, LARYNGITIS, ASTHMA, BRONCHITIS.**

**MISTOL DROPS** act as a local anæsthetic to the inflamed mucous membrane, thereby affording relief in all the distressing symptoms of common cold. The volatile substances contained in Mistol free the congested mucus, relieving the characteristic stuffiness and difficulty of correct breathing. MISTOL is extensively prescribed in most acute conditions affecting the mucous membranes of the nose and throat.

**Mistol**

½ *oz. bottles* 1/3*;* 2 *oz. bottles* 2/6

½ *oz. bottles* 1/3*;* 2 *oz. bottles* 2/6

**MISTOL** with **EPHEDRINE** has been introduced as a preparation which, while exercising the soothing action of Mistol Drops will, at the same time, exert a vaso-constrictor action for chronic congestions. It is important to note that the Ephedrine content has been limited to **0·57%**. It is suggested that a greater content of Ephedrine would be liable to cause unpleasant sensations immediately after application.

**Mistol** *with* ***Ephedrine***

*Products of Nujol Laboratories:* NUJOL, CREAM of NUJOL, STEMCOL, MISTOL *and* MISTOL with EPHEDRINE · *Samples for clinical test sent on request.*

**STEMCO Ltd.,** Nujol Laboratories, 128 Albert Street, London, N.W.1

# Bismuth Preparations in the TREATMENT OF SYPHILIS

## BISMOSTAB

TRADE MARK BRAND

Injection of Bismuth B.P.

A sterile 20% suspension of very finely divided bismuth metal in isotonic glucose solution. Bismostab is gradually and continuously absorbed over a long period.

5 c.c. and 10 c.c. rubber-capped vials
1 fl. oz. bottles

## CHLOROSTAB

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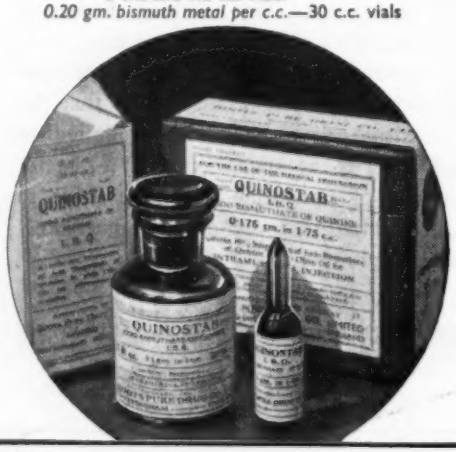
Bismuth Oxychloride Suspension in Isotonic Glucose

In Chlorostab, bismuth oxychloride is presented in a pure and suitably finely divided state ensuring uniform absorption at an optimum rate.

*0.16 gm. bismuth metal per c.c.*—
5 c.c. and 1 fl. oz. vials.
*0.20 gm. bismuth metal per c.c.*—30 c.c. vials




## QUINOSTAB

TRADE MARK BRAND

Iodo Bismuthate of Quinine

The therapeutic power of Quinostab is not exerted so rapidly as that of most bismuth preparations. Quinostab is particularly useful in the treatment of debilitated patients, in late and cardiovascular syphilis and in neurosyphilis.

3.5 c.c. and 1.75 c.c. ampoules
1 fl. oz. bottles

*Literature sent on request*

WHOLESALE AND EXPORT DEPARTMENT

**BOOTS PURE DRUG CO. LTD**

NOTTINGHAM ENGLAND

*Telephone:* Nottingham · 45501 *Telegrams:* "Drug, Nottingham"

# Convalescence

In convalescence a tonic is required that will co-operate with, and augment, the natural recuperative powers of the body, rather than one which will have only an immediate stimulating effect. In the latter case there is always the danger of disappointment, due to an artificial improvement that the natural powers are unable to stabilise.

Medical evidence extending over many years has established the value of Sanatogen in promoting convalescence. In "The Elements of Pharmacy, Materia Medica and Therapeutics", Sir William Whitla writes:—

> "... *The interesting and valuable researches conducted by Tunnicliffe and Beddoes upon metabolism, in which Sanatogen was experimented with, establish the fact that its organic phosphorus is almost entirely assimilated when the food is administered in the amount necessary for the needs of the body. When given in addition to other food, the amount of nitrogen and phosphorus retained in the organism is increased; the tissue metabolism is more complete, the constituents of the ordinary food being more thoroughly utilised; appetite is increased and the body weight augmented.*"

Similarly gratifying observations are constantly being notified, and, as Sanatogen is entirely free from fats, sugars and carbohydrates, it can safely be prescribed in all types of cases. It is rapidly and easily digested and assimilated, even in cases exhibiting severe gastric inflammation, and for this reason it is a valuable addition to enemata. It can be added to any non-acid beverage or food, and, consequently, monotony in its administration can always be avoided.

# SANATOGEN

**A CHEMICAL COMBINATION OF 95% MILK CASEIN AND 5% SODIUM GLYCEROPHOSPHATE**

*Clinical samples and literature available on request to*

**GENATOSAN LTD.,**
**LOUGHBOROUGH,**
**LEICESTERSHIRE.**

**DOSAGE:** For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants, ½ teaspoonful added to each bottle feed.

*Sold by all chemists price 2/3 to 19/9*

# The Emulsion for Children

In many of the wasting diseases of childhood, a sensitive, irritable stomach and intestines preclude proper nourishment.

Under the administration of 'Angiers' these organs become pacified and retentive, digestion is strengthened, and the assimilation of food is normal and complete. It is oftentimes surprising how quickly pale, flabby, weakly infants and children gain flesh, strength and vitality when they are given the Emulsion systematically.

We confidently urge its trial in marasmus, scrofulosis, inherited tuberculosis, anæmia, and in the malnutrition associated with acute infectious disease. It is likewise one of the most useful and dependable remedies for the treatment of bronchitis, whooping cough and the respiratory affections associated with measles and scarlet fever.

The pleasant, cream-like flavour of 'Angiers' and its ready miscibility with milk or water, make it eminently suitable for administration to children.

*Free Samples to the Medical Profession*

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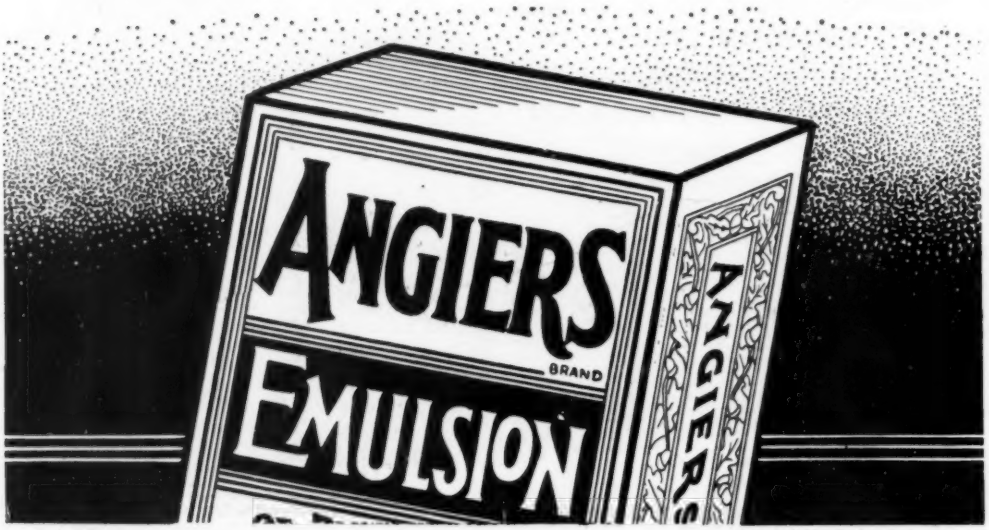

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## CASE HISTORY

| | |
|---|---|
| *Female 68 years* | . . . pallor, lassitude, anorexia, nausea, vomiting, giddiness, weakness and numbness of the legs. Sleeping badly. Losing weight. |
| *On admission* | T. 100.2 P. 100 R. 23 B.P. 110/70 |
| *Treatment* | 31.8.37 2 c.c. of Anahæmin<br>1.9.37, 3.9.37, 5.9.37 and 10.9.37 2 c.c. of Anahæmin, then twice weekly |
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| SUMMARY | In 7 days, and after 8 c.c. of Anahæmin, hæmoglobin rose from 25% to 45%.<br>In 14 days, after 10 c.c. of Anahæmin, Hb. rose to 55% and the red cells in the smear showed very little abnormality. |

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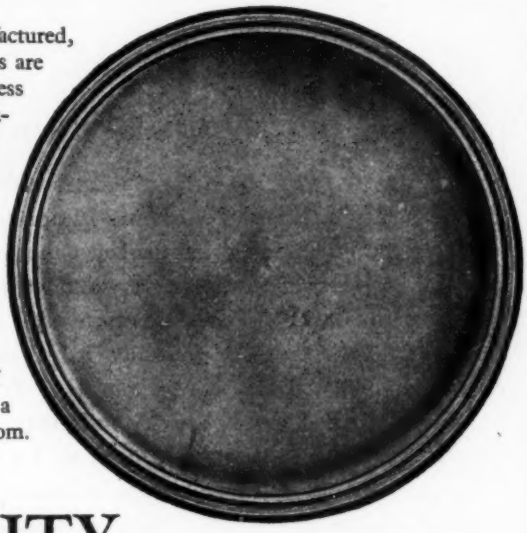

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On the other hand, the Petri-dish at the left visualizes the potential danger that may accompany lack of experience. At 37° C., this sample (bought in the open market) showed a bacteria count of 420,000 per gram (compared with 40 per gram in Dextri-Maltose, as mentioned above). Every physician is deeply concerned about the pasteurization, certification, etc., of the cow's milk his babies are fed on, but even sterile milk would give the infant *over seventeen million* bacteria per daily feeding when "modified" with a carbohydrate such as is represented by the Petri-dish at the left.

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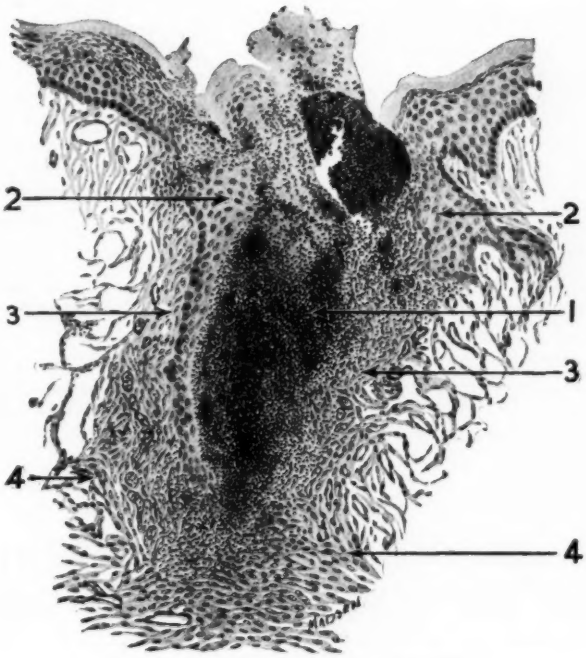


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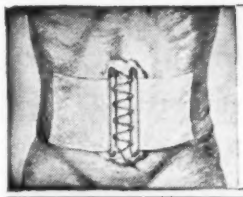

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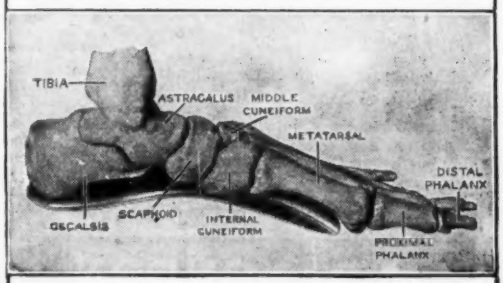


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## FOR MENTAL DISORDERS,
## NORTHAMPTON

*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.
MEDICAL SUPERINTENDENT: DANIEL F. RAMBAUT, M.A., M.D.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

**Telegrams: "Alleviated, London."** **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# PRIOR PLACE SANATORIUM

## HEATHERSIDE, CAMBERLEY, SURREY.

## FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

# THE RESIDENTIAL TREATMENT OF ALCOHOLISM & DRUG ADDICTION

## RENDLESHAM HALL

**(Postal Address), WOODBRIDGE, SUFFOLK**

RENDLESHAM HALL, which is open to receive patients, is essentially a Sanatorium. Its daily life and routine are that of an ordinary comfortable holiday or health resort, or of a large country house. Each patient has all the privileges of a guest consistent with the prescribed medical treatment.

RENDLESHAM HALL

Rendlesham Hall has 45 Bedrooms, and about 450 acres of Gardens and Park. It has also a private Nine-hole Golf Course, Tennis and Croquet Lawns, and Bowling Green.

Illustrated Booklet, giving particulars as to terms, etc., can be had on application to

**THE RESIDENT MEDICAL SUPERINTENDENT**

*Telegrams and Telephone:* WICKHAM MARKET 16. (Toll Call from London.)

*Proprietors:* THE NORWOOD SANATORIUM, LIMITED.

# *The* MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

*Resident Physicians:*
S. VERE PEARSON, M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS, M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY, M.D. (Cantab.).

*For all information apply:*
THE SANATORIUM, MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

**TERMS FROM 7½ GUINEAS WEEKLY**

# RUTHIN CASTLE, NORTH WALES

A Private Hospital or Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The weekly fees are from 15 guineas according to the room occupied; rooms with bathroom are from 21 guineas. The charges include all chemical, bacteriological, X-ray or other examinations advised by the doctors, and all the usual forms of treatment, in addition to board and lodging. There are no extra charges except for alcohol (when ordered) and laundry.

An examination and consultation fee of 15 guineas is charged on the first visit.

The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

*Address*—THE SECRETARY, Ruthin Castle, North Wales.

*Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

# HAYDOCK LODGE,

## NEWTON-LE-WILLOWS, LANCASHIRE.

**For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.**

# THE OLD MANOR SALISBURY

***A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.***

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

# THE CLINIC

**20 Devonshire Place**
**London, W.1**

*Tel.: Welbeck 4444 (20 lines)*

## A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.). 8 Operating Theatres. 150 State Registered Nurses. 2 Resident Medical Officers (for emergencies).

Patients only received under the supervision of their own Medical Practitioner.

Drugs and Dressings free (other than Proprietary Articles). Illustrated Brochure on application to Secretary.

# Smedley's

**Great Britain's Greatest Hydro**

# Matlock

**Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.**

***Resident Physicians:* G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.).**

**TERMS, 13s. to 18s. per day, inclusive of board.**

***Illustrated Brochure C.J. and full information on request.***

***Telephone*—No. 17 (3 lines).** ***Telegrams*—Smedleys, Matlock.**

## SOME FACTS ABOUT THE CLIMATE OF NASSAU (Bahamas)

"The most serene and temperate air . . . the heat of the sun being greatly allayed by refreshing breezes . . . the earth and the air are cooled by constant dews which fall at proper seasons," wrote Peter Bruce in the middle of the eighteenth century. For the last two hundred years Nassau has been recognised as a health resort. Life in Nassau moves at an easy pace. Beaches invite bathing and relaxing. Hotels are very modern and luxurious. Trained nurses are available. There are opportunities for practically every type of sport.

*The Bahamas Development Board, 211 Piccadilly, London, W.1., will be glad to supply further information.*

**AVERAGE WINTER WEATHER AT NASSAU**

| MONTHS | TEMPERATURE MEANS | | Average Daily Rainfall | CONDITION OF WEATHER No. OF DAYS | |
|---|---|---|---|---|---|
| | Max. | Min. | | Sunny | Cloudy |
| November | 79.0 | 70.5 | .09 | 27 | 3 |
| December | 75.8 | 67.0 | .10 | 29 | 2 |
| January | 75.4 | 66.7 | .10 | 27 | 4 |
| February | 76.0 | 66.8 | .03 | 26 | 2 |
| March | 78.2 | 69.2 | .07 | 30 | 1 |
| April | 77.1 | 69.8 | .06 | 28 | 2 |


## Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the office of EAR, NOSE, AND THROAT SURGEON (Second) to the Hospital.

Candidates must possess the degree of M.D. or M.B. obtained by examination at a British University and be Fellows of the Royal College of Surgeons of England.

Full particulars of the appointment and details with regard to the submission of testimonials, &c., may be obtained from the undersigned, to whom applications should be returned not later than November 5th, 1937.

GILBERT G. PANTER, Secretary.

## Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the post of FRACTURE OFFICER AND ORTHOPÆDIC REGISTRAR (honorarium £50 per annum).

Full particulars of the office may be obtained from the undersigned, to whom applications should be sent by November 5th, 1937.

GILBERT G. PANTER, Secretary.

## The Infants Hospital,
Vincent-square, Westminster.

Applications are invited for the post of PATHOLOGIST. The appointment will be a full-time one. Salary at the rate of £700 per annum.

An Assistant will subsequently be appointed.

Applications, with copies of not more than three testimonials, should reach the undersigned not later than November 3rd.

ALFRED J. SMALL, Secretary.

## St. Bartholomew's Hospital.

OFFICE OF ASSISTANT OPHTHALMIC SURGEON.

Notice is hereby given that a Meeting of the Election Committee will be held on Tuesday, 30th November, 1937, at 4 o'clock in the afternoon to elect an Assistant Ophthalmic Surgeon to the Hospital.

Candidates, who must be Fellows of The Royal College of Surgeons of England, are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Saturday, 13th November, 1937.

C. C. CARUS-WILSON, Acting Clerk to the Governors.

19th October, 1937.

# ROYAL AIR FORCE MEDICAL SERVICE

Applications are invited from Medical Men for appointment to COMMISSIONS in the MEDICAL BRANCH of the ROYAL AIR FORCE for entry in January, 1938.

Candidates must be of pure European descent. They must be British Subjects, the sons of British Subjects and registered under the Medical Acts.

Candidates must be under *31 years of age* on the 3rd January, 1938, and will be selected after interview by a selection board without competitive examination.

Hospital appointments held since qualifying will, under certain conditions, qualify candidates for antedate of commission up to a maximum of one year; the age on entry may, if necessary, be increased by a period equal to the "antedate."

Selected candidates will be appointed to short service commissions (for 3 years extendible to 5 years) followed by 4 years service in the Reserve, and will be eligible to be considered for Permanent Commissions during their second or third year of service. Officers not selected for permanent commissions receive gratuity as follows, on transferring to the Reserve :—

| | |
|---|---|
| On completion of 3 years .. .. .. .. .. .. | £400 |
| " " " 5 " .. .. .. .. .. .. | £1,000 |

Copies of the regulations for entry and conditions of service, including rates of pay and allowances, also form of application, may be obtained on application from :—

The Secretary, Air Ministry (D.M.S.),
Adastral House, Kingsway, W.C.2.

Completed applications from intending candidates for the vacancies in January, 1938, must be received in the Air Ministry not later than the 15th of November, 1937.

# ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in January, 1938.

Candidates below the age of 28 years are preferred and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance, which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 22nd November, 1937.

# LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

**(UNIVERSITY OF LONDON)**

*Incorporating the Ross Institute*

## DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (Eng.)

**DATES OF THE COURSES 1937/38**
**(Part II. cannot be taken before Part I.)**

PART I.—*27th September–17th December, 1937; 3rd January–26th March, 1938; 4th April–24th June, 1938.*

PART II.—*17th January–18th March, 1938; 19th April–17th June, 1938.* Fees (inclusive): Part I., £25; Part II., £15.

## INDUSTRIAL PHYSIOLOGY and PSYCHOLOGY

Two Courses are provided, one lasting a year and the other two weeks. The shorter course is restricted to persons with adequate industrial experience.

## DIPLOMA IN PUBLIC HEALTH

Course of study (whole-time, nine months) commencing 27th September. Inclusive fee, 54 guineas.

## DIPLOMA IN BACTERIOLOGY

Courses of study (whole-time, one academic year) commencing in October. Inclusive fee, £47 15s.

## EPIDEMIOLOGY AND VITAL STATISTICS

Special three-monthly advanced courses. Inclusive fee, 7 guineas.

For Prospectus and Synopses of Lectures, etc., apply to SECRETARY, LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel-street (Gower-street), London, W.C.1. (Museum 3041)

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## King Edward Memorial Hospital,

EALING.
(145 Beds.)

APPOINTMENT OF CONSULTING ORTHOPÆDIC SURGEON.

Applications are invited for the above appointment, and they should be sent by November 8th, 1937, to the undersigned, from whom details may be obtained.

R. A. MICKELWRIGHT, House Governor.

## West London Hospital,

Hammersmith, W.6.
(239 Beds.)

There is a vacancy for the post of NEUROLOGIST, for which one of the Honorary Physicians will be a candidate. In the event of his election there will be a vacancy for the post of PHYSICIAN, for which one of the Honorary Assistant Physicians will be a candidate. In the event of his election there will be a vacancy for the post of ASSISTANT PHYSICIAN, for which post applications are also now invited. Candidates must have degrees from one of the Universities recognised by the General Medical Council, and must be Fellows or Members of the Royal College of Physicians of London. The successful candidate will be required in addition to other duties periodically to deliver courses of lectures to the Nurses and to undertake such teaching for the Post-graduate College as the Board may approve.

Applications, with copies only of testimonials, must reach me not later than Thursday, 18th November. Candidates must attend the Meeting of the Medical Council at 4.30 P.M. on Friday, 19th November, and prior to that date call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board, but nevertheless must send copies of their application and testimonials to each member thereof and, if so notified, attend a Meeting of the Board at 5 P.M. on Tuesday, 23rd November, when the election will be made.

H. A. MADGE, Secretary.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON to commence duties on the 1st January, 1938.

Salary at the rate of £100 per annum.

The appointment is for six months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials to be sent to the undersigned not later than first post on Wednesday, the 10th November, 1937.

CLEMENT COBBOLD, Secretary.

## King George Hospital, Ilford (near London.)

(207 Beds.)

Required, ASSISTANT CASUALTY OFFICER AND HOUSE SURGEON TO SPECIAL DEPARTMENTS (Male). Appointment for six months. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, as soon as possible.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

## Dreadnought Hospital,

Greenwich, S.E.10. (Seamen's Hospital Society.)—Two half-time non-resident, Male RECEIVING ROOM OFFICERS required immediately for six months. Morning or afternoon sessions with alternate Saturdays 9 A.M. to 12 NOON. Salary at the rate of £100 per annum, with meals.

Applications, stating age, nationality, and experience of House appointments, accompanied by copies of testimonials, to be sent in to the undersigned. F. A. LYON, Secretary.

18th October, 1937.

## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A part-time SURGICAL REGISTRAR (Male) is required. Duties to commence on the 8th November, 1937. Salary at the rate of £200 per annum.

Candidates must be legally qualified to practise, and must have held a responsible resident appointment at a General Hospital.

The appointment is tenable for six months.

Applications must be received by noon on Monday, the 1st November, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 3rd November, 1937.

Further particulars and forms of application are obtainable from the undersigned.

October, 1937. HERBERT F. RUTHERFORD, Secretary.

## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A RESIDENT HOUSE SURGEON (Male) is required. Duties to commence on the 1st January, 1938.

The appointment is tenable for six months. Salary at the rate of £100 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 22nd November, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 1st December, 1937

Further particulars and forms of application are obtainable from the undersigned.

October, 1937. HERBERT F. RUTHERFORD, Secretary.

## Royal Free Hospital and London

(R.F.H.) SCHOOL OF MEDICINE FOR WOMEN.

Applications are invited from registered Medical Practitioners for the following post:—

THIRD ASSISTANT (Woman) in the OBSTETRICAL AND GYNÆCOLOGICAL UNIT. Salary £270. Resident. Full-time. The appointment is for one year from January 1st, 1938.

Applications must reach one of the undersigned, who will supply further particulars, by first post on Friday, November 12th, 1937.

RICHARD T. BARTLEY, Secretary,
Royal Free Hospital, Gray's Inn-road, W.C.1.
NANCIE MOLLER, Warden and Secretary,
London (R.F.H.) School of Medicine for Women,
Hunter-street, W.C.1.

## King George Hospital, Ilford (near London).

(207 Beds.)

Applications are invited for the posts of Two CLINICAL ASSISTANTS to the Anæsthetic Department, one to attend on Tuesday mornings and one on Friday mornings. Allowance of £10 10s. per annum for travelling expenses.

Applications should be sent to the undersigned not later than 15th November.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

## London Jewish Hospital,

Stepney Green, E.1.
General Hospital. 109 Beds.

Candidates (Male) for the following resident appointments, which are for a period of six months, commencing 1st December, 1937, may obtain forms of application from the Secretary, to whom applications, with copies of three recent testimonials, must be sent on or before 19th November, 1937.

HOUSE SURGEON. Salary at the rate of £100 per annum

CASUALTY OFFICER. Salary at the rate of £100 per annum.

## Queen Charlotte's Maternity Hospital,
Marylebone-road, N.W.1.

RESIDENT MEDICAL OFFICER (Male or Female) required for the Isolation Hospital (for Puerperal Fever) at Ravenscourt-square, Hammersmith, W.6, to commence duty on the 1st December, 1937.

Appointment for six months, renewable for a further period of six months. The salary is at the rate of £200 per annum, with board, residence, and laundry allowance.

Applications, with copies of testimonials, should be sent to the Secretary by the 20th November, 1937.

## Will Edmonds Clinical Research Fund.

Applications are invited for a FELLOWSHIP under the above Fund. The Fellow elected will receive a salary of £500 per annum, and must devote his whole time to clinical research in a Metropolitan Hospital. He will be eligible for re-election annually up to five years.

Further particulars and form of application, which should be returned by November 8th, may be obtained from the Hon. Secretary, 68, Great Cumberland-place, W.1.

## Royal Chest Hospital,
City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the following post:

RESIDENT MEDICAL OFFICER. Vacant 15th December for a period of six months (subject to re-election). Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 19th November to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

## St. Mark's Hospital for Cancer, Fistula
AND OTHER DISEASES OF THE RECTUM,
City-road, E.C.1.

Applications are invited for CLINICAL ASSISTANTSHIPS in the Out-patients' Department on Tuesdays, Wednesdays, and Saturdays. The appointments are for six months in the first instance, and a fee of three guineas is payable on appointment.

Applications to reach the Secretary (from whom further particulars may be obtained) at the Hospital by Thursday, November 11th, 1937.

## St. Mark's Hospital for Cancer, Fistula
AND OTHER DISEASES OF THE RECTUM,
City-road, E.C.1.

Applications are invited for the following posts:—

RESIDENT SURGICAL OFFICER (Male).—Duties to commence on January 1st, 1938. Salary £150 per annum, and certain emoluments, with board, residence, and laundry.

HOUSE SURGEON (Male).—Duties to commence 23rd January, 1938. Salary £120 per annum, with board, residence and laundry.

The appointments are for a minimum of six months.

Applications, with copies of testimonials, must reach the Secretary (from whom further particulars may be obtained) not later than Thursday, November 11th, 1937.

## Golden Square Throat, Nose, and Ear
HOSPITAL, London, W.1.

Applications are invited for the post of REGISTRAR.

Applications, stating age, qualifications, and experience, and with copies of three testimonials, should be received on or before 13th November, 1937, by the undersigned, from whom further particulars may be obtained.

F. P. CARROLL, Secretary-Superintendent.

## Golden Square Throat, Nose, and Ear
HOSPITAL, London, W.1.

Applications are invited for the post of CLINICAL ASSISTANT.

Applications, stating age, qualifications, and experience, and with copies of three testimonials, should be received on or before the 13th November by the undersigned, from whom further particulars may be obtained.

F. P. CARROLL, Secretary-Superintendent.

## Bolingbroke Hospital,
Wandsworth Common, S.W.11.
(135 Beds.)

CASUALTY OFFICER (Male, unmarried) required.

The appointment is for six months, commencing on the 1st December, 1937. Salary £120 per annum, with board, residence, and laundry.

Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned on or before the 10th November, 1937.

W. S. RANDOLPH BISS, Secretary-Superintendent.

## The London Lock Hospital.

Applications are invited for the post of RESIDENT MEDICAL OFFICER to the Male Departments (Out-patients, Dean-street; In-patients, Harrow-road). Candidates must be doubly qualified and duly registered.

The appointment is for six months, commencing 3rd December. Salary at the rate of £175 per annum, with furnished rooms at the Harrow-road Hospital, full board, and laundry.

Applications, enclosing copies (only) of three recent testimonials must be in the hands of the undersigned by Saturday, 20th November, and from whom a copy of the Bye-laws relating to the appointment, or any further particulars, can be obtained.

J. F. MORTON, Secretary.

283, Harrow-road, W.9, 5th October, 1937.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.

*(a) LEWISHAM HOSPITAL, Lewisham, S.E.13.—Surgical duties, Urological experience desirable.

(b) PADDINGTON HOSPITAL, Harrow-road, W.9.—Duties mainly medical, experience in paediatrics and anæsthetics desirable.

(c) ST. LEONARD'S HOSPITAL, Nuttall-street, Kingsland-road, N.1.—Duties mainly Medical, experience in Obstetrics desirable.

(d) ST. PETER'S HOSPITAL, Fulbourne-street, Whitechapel, E.1.—Duties mainly Medical, experience in Emergency Surgery desirable.

ASSISTANT MEDICAL OFFICERS (Grade II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

*(e) QUEEN MARY'S HOSPITAL, Sidcup, Kent.—General duties in a male convalescent hospital.

*(f) ST. PANCRAS HOSPITAL, Pancras-road, N.W.1.—Duties mainly Medical, experience in anæsthetics desirable.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 15th November. Canvassing disqualifies.

## County of Kent.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited for the above-mentioned whole-time appointment on the Central Staff of the Public Health Department.

The duties of the post will be mainly administrative and it is desirable that candidates should have had previous experience in the administrative work of a Public Health Department.

The salary is at the rate of £700 a year, with subsistence and travelling allowances according to the County Council's scale.

The post is designated as an established post under the Local Government and Other Officers' Superannuation Act, 1922, and is terminable by three months' notice on either side. The successful candidate will be required to pass a medical examination.

Forms of application and, if required, further details of the appointment can be obtained from the COUNTY MEDICAL OFFICER, SESSIONS HOUSE, MAIDSTONE, and completed application forms must be returned to him not later than the 16th November, 1937. W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 23rd October, 1937.

## Ancoats Hospital, Manchester.

ASSISTANT PATHOLOGIST, Lady or Gentleman, whole time appointment—no private work allowed. Salary £350 to £400 per annum, according to experience; live out. Luncheon and tea provided. During the first six months a certain amount of research will be conducted.

Applications, stating age, experience, and full particulars, together with three recent testimonials, to be forwarded to the undersigned not later than 16th November next.

By order of the Board.

HERBERT J. DAFFORNE,
General Superintendent and Secretary.

## Doncaster Royal Infirmary and
DISPENSARY.
(185 Beds.)
(Recognised under the regulations for the D.O. and D.L.O.)

HOUSE SURGEON (Male) to Eye and Ear, Nose and Throat Departments required immediately.

Salary at the rate of £175 per annum, with board, residence, and laundry. Candidates willing to remain one year preferred.

Applications, accompanied by not more than three testimonials, to be sent to the undersigned.

R. LANCASTER, Secretary-Superintendent.

## PATHOLOGIST TO THE KANEMATSU MEMORIAL INSTITUTE OF PATHOLOGY, SYDNEY HOSPITAL, SYDNEY, N.S.W., AUSTRALIA

Applications are invited from Medical Graduates for the post of Senior Pathologist of Sydney Hospital, at a salary of £900, rising by yearly increments of £50 to £1000 per annum (Australian currency). The successful applicant will work under Dr. J. C. Eccles, the Director of the Institute, and will be responsible for the post mortem work and morbid histology of the Hospital. In addition, he will be required to engage in the informal instruction of students, and there will be ample opportunity for pursuing original investigations.

The appointment will be for a period of five years and the successful applicant will be eligible for reappointment at the completion of this term.

Applications (six copies), together with details of experience in Morbid Anatomy, a list of publications, a medical certificate of health, and a recent photograph should be forwarded to the Secretary, Sydney Hospital, and reach him by January 31st, 1938, on which date the applications will close. The successful applicant will be expected to commence his duties not later than July 1st, 1938. Travelling expenses up to a maximum of £150 sterling will be allowed. Further information concerning the appointment may be obtained from

THE SECRETARY,
Universities Bureau of the British Empire,
88a, Gower-street, London, W.C.1.

## Royal Albert Edward Infirmary and DISPENSARY, WIGAN.

(210 Beds—including Private Patients' Home.)

HONORARY ASSISTANT OPHTHALMIC SURGEON.

The Board of Management invite applications for the above appointment from Surgeons specialising in this work. Honorarium £100 per annum.

Applications in duplicate, stating age, qualifications, together with copies of three testimonials, should be addressed to the undersigned as soon as possible from whom further particulars of the duties of the office can be obtained. Canvassing will be a disqualification.

A. STANLEY BRUNT, General Supt. and Secretary.
18th October, 1937.

## The Prince of Wales's Hospital, DEVONPORT, PLYMOUTH.

(Formerly Royal Albert Hospital, Devonport.)
(64 Beds.)

Applications are invited for the post of SENIOR HOUSE SURGEON. Salary £130 per annum, with board, residence, and laundry.

Duties to commence 1st December. Appointment is tenable for six months and is subject to renewal. Applicants must be registered under the Medical Acts.

The Hospital is officially recognised for the Surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, stating age and qualifications, with copies of three recent testimonials, must reach the undersigned by the 12th November. FRANK ROWE, Secretary.
25th October, 1937.

## North Staffordshire Royal Infirmary, STOKE-ON-TRENT.

(390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

The appointment will be made for six months, renewable.

Previous hospital Anæsthetic experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By order.
W. STEVENSON, Secretary and House Governor.
25th October, 1937.

## The Royal Hospital, Wolverhampton.

(Incorporated under Charter.)

RESIDENT ANÆSTHETIST.

Applications are invited for the post of Resident Anæsthetist. The appointment will be for six months, renewable, and the salary £200 per annum, with board and residence.

The Hospital contains 300 Beds, at present being enlarged to 400 Beds, and is approved by the General Medical Council for the part of the requisite attendance on Medical and Surgical Practice.

Applicants should provide evidence of their experience in modern anæsthetic methods; applications should be sent to the undersigned, from whom further information required about the post may be obtained.

W. H. HARPER, House Governor.
Wolverhampton, 25th October, 1937.

## Bedford County Hospital.

Wanted a THIRD HOUSE SURGEON for a term of six months at a salary of £150 per annum. He must be fully qualified, Male, unmarried, and with previous hospital experience. Board, lodging, and laundry.

Applications, stating age, nationality, qualifications, with three recent testimonials, to be sent to the Hon. Secretary, Hon. Medical Staff Committee.

## Northumberland County Council.

Applications are invited for the appointment of a TEMPORARY ASSISTANT MEDICAL OFFICER, whose duties will consist of work under the School Medical and Maternity and Child Welfare Services.

The salary will commence at the rate of £500, rising by annual increments of £25 to £700 per annum, with reasonable travelling expenses. Candidates should hold the D.P.H., and will be required to pass medical examination before appointment.

Forms of application may be obtained from the undersigned, to whom they should be returned completed, together with copies of three recent testimonials, as soon as possible.

WILLIAM F. J. WHITLEY,
County and School Medical Officer.
County Hall, Newcastle-upon-Tyne, 1,
23rd October, 1937.

## Northumberland County Council.

DEPARTMENT OF COUNTY MEDICAL OFFICER.

The County Council invite applications for the appointment of MATERNITY AND CHILD WELFARE OFFICER AND CHIEF SUPERVISOR OF MIDWIVES, whose work will comprise the superintendence of the whole of the Maternity and Child Welfare services of the county, and the investigation of maternal deaths.

The Officer appointed must have held a responsible resident appointment in a Maternity Hospital, have had experience in Maternity and Child Welfare work, including the organisation of clinics, and be a person of high qualifications and professional attainments. The Council's scheme under the Midwives Act, 1936, is largely administered through the agency of the County Nursing Association. The appointment offers considerable scope but it is necessary that the Officer appointed should be a skilled administrator.

Applications, accompanied by copies of three recent testimonials, to be made on a form to be obtained from the undersigned and returned to him not later than November 16th, 1937. The salary offered is £750 per annum, rising by biennial increments of £50 to £937 10s. The Officer appointed will be required to pass a medical examination and to subscribe to the Superannuation Fund of the Council in accordance with the terms of the Local Government and Other Officers' Superannuation Acts of 1922 and 1936.

WILLIAM F. J. WHITLEY, County Medical Officer.
County Hall, Newcastle-upon-Tyne, 1.

## City of Leeds Public Health DEPARTMENT.

ST. JAMES'S HOSPITAL.
(1300 Beds.)

Required, Two HOUSE PHYSICIANS (Male) for the above Hospital. The appointments are for six months, but may be renewed.

Salary £150 per annum, with board, residence, and laundry.

Candidates must be qualified, registered, and unmarried.

Applications, stating age, qualifications, &c., together with copies of three recent testimonials, to be forwarded to Dr. J. JOHNSTONE JERVIS, Medical Officer of Health, 12, Market Buildings, Vicar-lane, Leeds, 1, not later than 10 A.M. November 6th.

## Lancashire County Council.

JUNIOR ASSISTANT MEDICAL OFFICER, WRIGHTINGTON HOSPITAL, APPLEY BRIDGE.

Applications are invited for the post of Junior Assistant Medical Officer (Male, unmarried) for the Wrightington Hospital, which contains 206 Beds for non-pulmonary tuberculosis (adults and children) and 20 Beds for "combined" pulmonary and non-pulmonary cases. Salary £250 per annum, together with board, residence, and laundry.

The appointment will be for six months or for twelve months as may be agreed upon.

The medical staff consists of medical superintendent, two assistants, two consultant orthopædic surgeons, and other visiting surgeons There are excellent facilities for reading for M.D.

Forms of application and conditions of appointment obtainable from Central Tuberculosis Officer, County Offices, Preston. Letters to be marked "Wrightington M.O."

Closing date 12th November, 1937.

GEORGE ETHERTON, Clerk of the County Council.
County Offices, Preston.

## City and Port of Plymouth.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Men for the post of Assistant Medical Officer of Health to the City and Port of Plymouth.

Applicants should not be more than thirty-five years of age and must possess a Diploma in Public Health, or a qualification in State Medicine, or a Diploma in Tropical Medicine.

The person appointed will be required to act as Boarding Medical Officer at the Port, and he will also assist in the General Public Health work in the City. Preference will be given to applicants having experience in Tuberculosis and Venereal Diseases. The successful applicant will be required to act under the general supervision of the Medical Officer of Health, and to carry out any duties delegated to him from time to time.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700 per annum.

The appointment is whole time, and the person appointed will be required to refund to the Council any fees received by him in respect of any work, where such work is undertaken by virtue of his office or is in consequence of his being a medical officer of the Corporation.

The post will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, and will be terminable by two months' notice on either side.

The person appointed will be required to pass a medical examination.

Forms of application may be obtained from the undersigned and should be returned, together with copies of not more than three recent testimonials, on or before Wednesday, 10th November, 1937. Envelopes must be endorsed "Assistant Medical Officer of Health."

T. PEIRSON,
Medical Officer of Health, City and Port of Plymouth.
Town Hall Stonehouse, Plymouth,
16th October, 1937.

## Borough of Reigate.

ASSISTANT MEDICAL OFFICER (PART-TIME).

Applications are invited from qualified and registered Medical Practitioners (Female) for the above-named appointment. Applicants must possess a qualification in Public Health, and have had experience in the Medical Inspection of School-children, in Maternity and Child Welfare, and in the examination and certification of mentally defective children. The officer appointed will work under the direction of the Medical Officer of Health, and will be required to devote five mornings and three afternoons each week to the work. Salary £450 per annum.

The appointment will be subject to the approval of the Ministry of Health and of the Board of Education, and to the successful candidate passing a medical examination. The appointment may be determined at any time by two months' notice.

Applications should be made on forms obtainable from the undersigned, to whom the completed forms should be returned, together with copies of three recent testimonials, not later than noon on Saturday, 6th November, 1937.

Canvassing in any form will be a disqualification.

HEBER DAVIES, Town Clerk.
Town Hall, Reigate, 14th October, 1937.

## The Royal Infirmary, Sheffield.

(500 Beds.)

The Board of Management invite applications for the undermentioned posts:—

1. HOUSE SURGEON to the Ear, Nose, and Throat Department.
2. OPHTHALMIC HOUSE SURGEON.

The salary attached to (1), is £80 per annum, increasing after six months' service to £100 per annum, and to (2) £120 per annum, with board and residence in each case.

These appointments will be tenable for the period of six months, commencing 1st November, 1937.

The Ophthalmic Department contains 69 Beds and an Out-patient Department which is open daily.

Applications, with copies of testimonials, to be sent to the General Superintendent and Secretary.

23rd October, 1937.

## Winford Orthopædic and Heart

HOSPITAL, near BRISTOL.
(110 Beds.)

Applications are invited from registered Medical Practitioners (either sex) for the post of MEDICAL OFFICER (non-resident, full time). Duties to commence November 15th, 1937, for a period of two years, with the option of a third year. Previous experience in Orthopædic work an advantage. Salary at the rate of £325 per annum. The appointment will be determinable at any time by three months' notice on either side.

Applications, giving particulars of age, qualifications, and experience, accompanied by copies of three testimonials, should be forwarded as soon as possible to the undersigned (from whom further particulars may be obtained).

E. R. HARVEY RACE, Secretary.
Winford Orthopædic Hospital, 46, Park-street, Bristol, 1,
23rd October, 1937.

## Great Barr Park Colony.

(CERTIFIED INSTITUTION FOR MENTAL DEFECTIVES.)

Applications are invited for the post of JUNIOR (Male) ASSISTANT RESIDENT MEDICAL OFFICER. Salary £275 per annum, with board, residence, and laundry. The appointment is for a period of twelve months and offers good experience in Mental Deficiency to a recently qualified Medical Practitioner entering the Public Health or Mental Services. Residence at this Colony is recognised for the D.P.M. of the Conjoint Board.

Applications, with copies of not more than three recent testimonials, should be sent to the Medical Superintendent. Great Barr Park Colony, near Birmingham, not later than 5th November, 1937.

## Northamptonshire County Council.

ASSISTANT MEDICAL OFFICER (WOMAN).

The above Council invite applications from fully qualified Medical Women for the appointment of Assistant Medical Officer for Maternity and Child Welfare and School Medical Inspection.

The inclusive salary will be at the rate of £600 per annum, rising by increments of £25 to a maximum of £700, subject to a deduction of 5 per cent. for superannuation under the Local Government and Other Officers' Superannuation Act, 1922. Travelling and subsistence allowances will be on the scale from time to time approved by the County Council.

Applicants should have had at least three years' experience in the practice of their profession and (1) be registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health or State Medicine, (2) have held the appointment of Resident Medical Officer in a maternity department for a period of not less than six months, and (3) within the last two years have had not less than one year's continuous experience in some branch of obstetric work.

The officer appointed will work under the direction and control of the County Medical Officer of Health, and while the principal duties will be in connexion with maternity and child welfare and school medical inspection, she will also be required to perform such other duties as may be assigned to her by the County Council and the County Medical Officer of Health.

The officer will be required to devote her whole time to the duties of the office and to reside in a place approved by the Council.

The candidate appointed will be required to pass a medical examination.

The appointment will be determinable upon three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than 8th November, 1937.

Canvassing will disqualify.

H. S. MARTIN, Clerk of the County Council.
County Hall, Northampton, 18th October, 1937.

## The Gloucestershire Royal Infirmary

AND EYE INSTITUTION, GLOUCESTER.
(225 Beds. Five Residents.)

Applications are invited for the post of HOUSE SURGEON (Male) to the Ear, Nose, and Throat Department. Salary at the rate of £150 per annum, with board, residence, and laundry.

The Hospital is recognised for the D.L.O. and the F.R.C.S. final examinations.

The appointment is for six months, which may be extended for similar periods by re-election from time to time.

Applications, stating age, qualifications, experience, and nationality, with copies of not less than three recent testimonials should be sent to the undersigned not later than Friday, November 5th.

The elected candidate will be required to enter upon his duties on the 1st December. F. J. SYMONS, Secretary.
October 21st, 1937.

## City of Birmingham.

ROMSLEY-HILL SANATORIUM. (120 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for a Resident Assistant Medical Officer. Candidates must be unmarried, and have held a resident hospital appointment since qualifying. Experience in the diagnosis and treatment of tuberculosis will be a recommendation.

The appointment will be limited in the first instance to six months, and, subject to satisfactory service, may be extended for a further six months. The salary will be at the rate of £240 per annum for the first six months, and £275 per annum for the second six months, with board and residence in each case.

Forms of application may be obtained from the Medical Superintendent, Romsley-hill Sanatorium, Halesowen, near Birmingham, and should be returned to him not later than Wednesday, November 3rd, 1937.

F. H. C. WILTSHIRE, Town Clerk.

## Leicestershire and Rutland Mental

HOSPITAL, NARBOROUGH, near LEICESTER.

ASSISTANT MEDICAL OFFICER required. Commencing total salary and emoluments valued at £500 per annum, rising by £25 per annum to £600.

In addition £50 per annum will be given if the officer holds or obtains the D.P.M.

Married quarters are available under certain circumstances. Full details on application to the Medical Superintendent.

## General Infirmary, Salisbury.

(Voluntary Hospital, 191 Beds, now in course of extension to 225 Beds.)

HOUSE PHYSICIAN (Male) required to commence duty 1st December, 1937.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be fully qualified, unmarried, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

## County Borough of Halifax.

HOSPITAL FOR INFECTIOUS DISEASES.

RESIDENT MEDICAL OFFICER (Male, Unmarried).

Applications are invited for the appointment of Resident Medical Officer at the Corporation's Isolation Hospital.

Salary £350 per annum, rising by annual increments of £25 to £450, together with board, residence, and laundry.

Applications must be made on a prescribed form which may be obtained from the undersigned, and should be sent, together with copies of not more than three recent testimonials, endorsed "Resident Medical Officer—Isolation Hospital," to the undersigned so as to be received not later than the first post on November 8th, 1937.

The Council has no superannuation scheme.

Canvassing, directly or indirectly will be a disqualification.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 19th October, 1937.

## Staffordshire, Wolverhampton and DUDLEY JOINT BOARD FOR TUBERCULOSIS.

PRESTWOOD SANATORIUM. (200 Beds.)

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) at the above-named Sanatorium, which is approximately nine miles from Wolverhampton. The successful candidate may also have opportunities of experience in the work of a Dispensary. The appointment will be for six months in the first instance, renewable for a further maximum period of six months.

Salary at the rate of £300 per annum, with board, residence, and laundry.

Forms of application may be obtained from the undersigned, and should be returned by first post on the 4th November, 1937, together with copies of not more than three recent testimonials.

H. L. UNDERWOOD, Clerk of the Joint Board.

County Buildings, Stafford, 19th October, 1937.

## Surrey County Council.

RICHMOND INSTITUTION. (280 Beds.)

APPOINTMENT OF RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Resident Assistant Medical Officer at the Grove Road Institution, Richmond. The Institution is administered by the Public Assistance Committee of the Council.

Applicants should have had experience as a House Surgeon or Physician. The appointment is for a period of six months, renewable for a further period of six months, and the salary is at the rate of £375 per annum, less a deduction at the rate of £125 per annum in respect of board, lodging, and laundry.

The successful applicant will be required to commence duty early in December, 1937.

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be endorsed "Resident Assistant Medical Officer," and sent to the County Medical Officer, County Hall, Kingston-upon-Thames, so as to reach him not later than 3rd November, 1937.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 19th October, 1937.

## Leeds Maternity Hospital.

(140 Beds.)

Applications are invited for the post of HONORARY ANÆSTHETIST. The duties will comprise principally the giving of lectures and demonstrations to Pupil Midwives in the administration of Anæsthetics and analgesics. Honorarium 30 guineas per annum.

Applications, giving full particulars of qualifications and experience, to be sent to the undersigned on or before the 8th November, 1937.

D. W. CURRIE,
Honorary Secretary to the Medical Staff Committee.

## St. James' Hospital for Nervous and MENTAL DISEASES, MILTON, PORTSMOUTH.

LOCUM TENENS ASSISTANT MEDICAL OFFICER (Male) required, age not to exceed thirty-five years. There is a possibility of a permanent appointment.

Seven guineas a week, with board, lodging and laundry.

Apply to the Medical Superintendent.

F. J. SPARKS, Town Clerk.
Clerk to the Committee of Visitors.

The Guildhall, Portsmouth, 20th October, 1937.

## Royal Hampshire County Hospital, WINCHESTER.

(167 Beds.)

HOUSE SURGEON.

Applications are invited from fully qualified Men for the above post to take up duties on 1st December next. Six months' appointment. Salary £125 per annum, with board, residence, and laundry.

Candidates, who must be of British nationality, to make application to the undersigned, enclosing copies of three testimonials.

21st October, 1937. HERBERT MASLEN, Secretary.

## Hospital Convalescent Home, PARKWOOD, SWANLEY, KENT.

(For the reception of patients (Women and Children) in an early stage of convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of LADY RESIDENT MEDICAL OFFICER which will become vacant on 1st December, 1937. The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Friday, November 12th, 1937.

## Beckett Hospital and Dispensary, BARNSLEY.

(153 Beds.)
(4 Residents.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male). Fellowship Degree of the Royal College of Surgeons England, Edinburgh or Dublin, will be deemed a recommendation.

Salary £300 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, with copies of testimonials, should be addressed to the undersigned immediately.

ARTHUR L. BOURNE, Secretary-Superintendent.

22nd October, 1937.

## Weston-super-Mare Hospital.

(80 Beds.)

HOUSE SURGEON.

Applications are invited for the post of RESIDENT HOUSE SURGEON at this Hospital. Salary at the rate of £150 per annum, with board, rooms, and laundry. Duties commencing 20th December.

Applications, stating age, qualifications, and enclosing copies of testimonials, should be addressed to the undersigned.

LESLIE J. FURSLAND, Secretary.

General Hospital, Boulevard, Weston-super-Mare.

## City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Corporation of Bristol invite applications for the post of Assistant Medical Officer of Health.

The gentleman appointed must possess the Diploma in Public Health or a similar qualification in State Medicine. He will be required to devote the whole of his time to his duties and will not be allowed to engage in private practice. He will work under the direction of the Medical Officer of Health in the City Health Department and in the Port, and also in the Inspection of Aliens if appointed to do so by the Ministry of Health. Preference will be given to candidates with special experience in tuberculosis and venereal disease.

The appointment will be subject to two months' notice on either side and to the provisions of the Local Government and other Officers' Superannuation Act, 1922, for which purpose the selected candidate will be required to pass a medical examination.

The salary will be £600, rising to £700 by annual increments of £50.

Applications must be made on a prescribed form, which may be obtained from the undersigned, and must be delivered at the Council House, Bristol, 1, not later than Monday, 8th November, 1937. Envelopes should be endorsed "Assistant Medical Officer of Health." Canvassing of members of the Council, either directly or indirectly, will disqualify.

JOSIAH GREEN, Town Clerk.

The Council House, Bristol, 1, October, 1937.

## Preston Hall Sanatorium.

(300 Beds.)
Near MAIDSTONE, KENT.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Male) to commence duties as soon as possible.

Salary at the rate of £200 per annum, with full residential emoluments.

Applications, accompanied by copies of three recent testimonials and stating qualifications, to be sent to the Medical Director at the above address.

## THE BUCHANAN HOSPITAL

ST. LEONARDS-ON-SEA

(103 Beds.)

JUNIOR HOUSE SURGEON (Female) required to commence duties immediately.

Salary at the rate of £125 per annum.

Candidates must be duly registered Medical Practitioners, and applications should include three copies of recent testimonials. FRANK HART, Secretary.

## County Borough of Smethwick.

ST. CHAD'S HOSPITAL.

RESIDENT OBSTETRICAL OFFICER.

Applications are invited for the post of Resident Obstetrical Officer in the Council's Municipal Hospital.

The Officer appointed will be responsible, in conjunction with a fellow officer of the same grade, for the proper conduct of and the treatment of patients in the Maternity and Gynæcological wards in the Hospital, and also for the conduct of Ante-natal, Post-natal Clinics and Infant Clinics. The Officer will work under the direction of the visiting consulting obstetricians and will also be required to assist in the general, medical, and surgical work at the Hospital under the direction of the Medical Superintendent. Candidates should have held previous resident appointments in a Maternity Hospital and have had experience in ante-natal and post-natal work. Preference will be given to those candidates who hold or who are reading for membership of the College of Obstetrics and Gynæcology.

The salary will be at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, with emoluments valued at £150 per annum. The appointment will be terminable by three months' notice on either side.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the selected candidate will be required to pass a medical examination.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, and must be returned to him accompanied by copies of three recent testimonials, not later than the first post on 15th November, 1937. Canvassing, directly or indirectly, will disqualify. FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 26th October, 1937.

## Hull Corporation Health Department.

HULL CITY HOSPITALS.

RESIDENT MEDICAL OFFICER.

Applications are invited for the appointment of a Resident Medical Officer at the Hull City Hospital for Infectious Diseases, Cottingham.

The appointment is open to registered Medical Practitioners of either sex, who must be single, not more than forty years of age, and have had experience in general hospital work. Possession of the Diploma in Public Health, or similar qualification, and previous experience in a fever hospital will be regarded as additional qualifications.

The appointment is for a period of one year and the salary is £350 per annum, together with board, laundry, and residence. The appointment may be extended for more than one year, in which case the salary, subject to satisfactory service, will be increased by annual increments of £25 to a maximum of £450 per annum.

The appointment is not designated under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, on forms to be obtained from the undersigned, with copies of not more than three recent testimonials, are returnable not later than noon on Thursday, the 11th November, 1937. NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department, Guildhall, Hull, October, 1937.

## Rotherham Hospital.

Wanted, SENIOR HOUSE SURGEON (Male), qualified. Salary £200, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

## Dundee Royal Lunatic Asylum.

Applications are invited for the appointment of LADY SUPERINTENDENT at Gowrie House, Liff, by Dundee.

Applicants should be fully qualified and certificated in general and mental nursing, and preference will be given to candidates who have a certain amount of administrative experience.

Commencing salary £200 per annum.

Applications should be lodged with the Secretary to the Directors, J. MURRAY WILKIE, Solicitor, 27, Bank-street, Dundee, not later than 6th November, 1937, should state age experience, qualifications, and the date when duties could be commenced, and should be accompanied by copies of three recent testimonials.

## Royal East Sussex Hospital,

HASTINGS.

The Committee of the above Hospital invite applications for the posts of three additional HONORARY ANÆSTHETISTS. These posts have been created to facilitate the surgical and dental work of the Hospital.

Successful candidates will have to be prepared to deputise for any other members of the Honorary Staff in the event of their temporary absence through illness, holidays, &c.

Applicants must be legally qualified Medical Practitioners and also be duly registered under the Medical Acts.

Hours of duty for Anæsthetists will be arranged to suit mutual convenience at a meeting of the Staff after election has taken place.

Applications should be received by the Secretary, Royal East Sussex Hospital, Hastings, by the 20th November, 1937. WILFRID G. KEMSLEY, Secretary.

## Glasgow Royal Infirmary.

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I. M. GRANT, M.D., Superintendent, Glasgow Royal Infirmary.

25th October, 1937.

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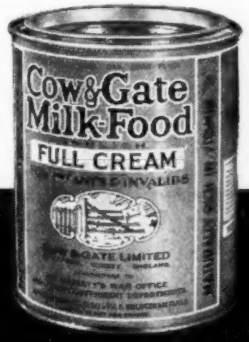

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